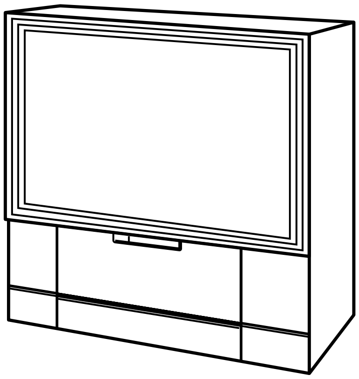
SHARP SERVICE MANUAL

S29C764LHP5-P



REAR PROJECTION HDTV

MODEL 64LHP5000

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

OUTLINE

1. This manual covers the 64LHP5000 Projector unit. The DTV Decoder is referred to in the DTV Unit Service Manual that will be separately issued.
2. The Projector Unit Service Manual consists of two books: Issue No. S29C764LHP5-P and Issue No. S29C864LHP5-P Use these two books together for serivicing.

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SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

Specifications

Display and amplifier section

Screen size .... 64"
CRT .... 7" High focus CRT x 3
Brightness (White peak) .... 400 Foot-Lambert
[White window signal input contrast Max.]
without protective screen
Horizontal resolution .... More than 1400 lines
[Input digital test pattern (1400 lines resolution)]
Input terminals .... 4 video inputs
4 S-VIDEO input jacks (Y/C separate INPUT)
2 COMPONENT VIDEO INPUT jacks (Y, C_B/P_B, C_R/P_R)
4 audio inputs
CENTER INPUT jack
Output terminals .... MONITOR/AUDIO
Input terminal signal ratings
Input signal
Video signal:
Composite and S-VIDEO(Y): 1.0 Vp-p (75 ohms load)
COMPONENT (Y): 1.0 Vp-p (75 ohms load)
(C_B/P_B, C_R/P_R): 0.7 Vp-p (75 ohms load)
Audio signal (including CENTER): 500mV rms
Input impedance .... Video input: 75 ohms
Audio input (including CENTER): 22 k-ohms
or more
Input signal polarity (Video) .... Synchronized negative
Output terminal signal ratings
Output signal .... Video signal: 1 Vp-p (75 ohms load)
Audio signal: 500 mV rms (100 % modulation)
Output impedance .... Video output: 75 ohms
Audio output: Less than 1 k-ohms
Effective output
Front both channels driven .... 15 W + 15 W
(THD. 1 % 1 kHz, 8 ohms)
Built-in speaker system ...... 16 cm (6-5/16 in) full range x 2
.... 6.6 cm (2-9/16 in) tweeter x 2
DTV-OUT (NTSC) .... Audio: 2 Vrms (1 kHz, 0 dB)
Video: Composite Video; 1.0 Vp-p (Negative sync on), 75
Audio output
5.1 ch output .... Front L/R, surround L/R,
center and subwoofer
Output connector: Pin-jack
Digital audio I/F . Optical digital output: Optical connector
Coaxial digital output .... Pin-jack
IR-MOUSE G-LINK Terminal x 1
Digital expansion port .... For expansion input devices

Tuner section

Circuit type .... Video signal detection:
PLL full synchronous detection
PLL digital synthesizer system
Audio multiplex: ATSC system
NTSC Reception channels
VHF; CH2–CH13, UHF; CH14–CH69
CATV (STANDARD, IRC or HRC)
CATV 1-125 CH
DTV reception channels
VHF: Low 54–88 MHz, High 174–216 MHz,
UHF: 470–806 MHz
Antenna terminals
.... Antenna terminal, 75 ohms UNBAL,
F-type connector (VHF, UHF MIXED)

Electrical section, miscellaneous

Power requirements ....120 V AC, 60 Hz
Power consumption .... 400 W
External dimensions .... 1510 (W) x 698 (D) x 1425 (H) mm
59-7/16 (W) x 27-31/64 (D) x 56-1/8 (H) inch

Weight of main unit .... 167 kg (368 lb 4 oz)

NOTE:
Specifications and design are subject to possible modifications without notice due to improvements.

SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

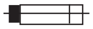
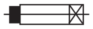
WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & safety code section 25249.6—Proposition 65

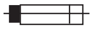
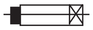
NOTES

(FOR CANADIAN MODEL ONLY)

Fuse symbols  (fast operating fuse) and/or  (slow operating fuse) on PWB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible  (fusible de type rapide) et/ou  (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

SAFETY PRECAUTIONS

NOTICE: Comply with all cautions and safety related notes located on or inside the cabinet and on the chassis or picture tube.

The following precautions should be observed:

1. Do not install, remove, or handle the picture tube in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while picture tubes are handled.
   Keep picture tube away from the body while handling.
2. When service is required, even though the PROJECTION MONITOR RECEIVER an isolation transformer should be inserted between power line and the set in safety before any service is performed.
3. When replacing a chassis in the set, all the protective devices must be put back in place, such as barriers, nonmetallic knobs, adjustment and compartment covershields, isolation resistor-capacitor, etc.
4. When service is required, observe the original lead dress.
   Extra precaution should be taken to assure correct lead dress in the high voltage circuitry area.
5. Always use the manufacturer's replacement components. Especially critical components as indicated on the circuit diagram should not be replaced by other manufacture's.
   Furthermore where a short circuit has occurred, replace those components that indicate evidence of overheating.
6. Before returning a serviced set to the customer, the service technician must thoroughly test the unit to be certain that it is completely safe to operate without danger of electrical shock, and be sure that no protective device built into the set by the manufacturer has become defective, or inadvertently defeated during servicing.

Therefore, the following checks should be performed for the continued protection of the customer and service technician.

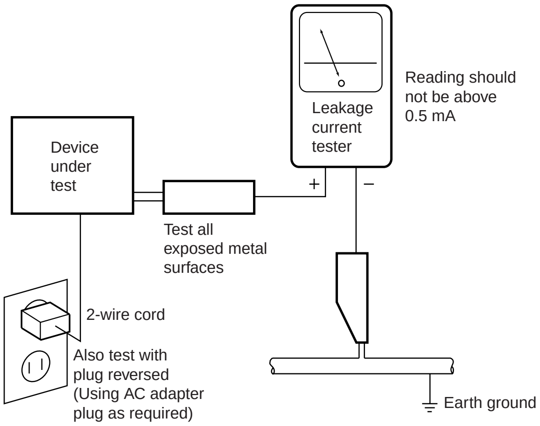
Leakage Current Cold Check

With the AC plug removed from 120V AC 60Hz source, place a jumper across the two plug prongs. Turn the AC power switch on. Using an insulation tester (DC 500V), connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (input/output terminals, screwheads, metal overlays, control shafts, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistor reading of 0.3MΩ and a maximum resistor reading of 5MΩ. Any resistor value below or above this range indicates an abnormality which requires corrective action. Exposed metal parts not having a return path to the chassis will indicate an open circuit.

Leakage Current Hot Check

Plug the AC line cord directly into a 120V AC 60Hz outlet (do not use an isolation transformer for this check). Turn the AC power switch on.

Using a "Leakage Current Tester (Simpson Model 229 equivalent)", measure for current from all exposed metal parts of the cabinet (input/output terminals, screwheads, metal overlays, control shaft, etc.), particularly any exposed metal part having a return path to the chassis, to a known earth ground (water pipe, conduit, etc.). Any current measured must not exceed 0.5mA.


Reading should not be above 0.5 mA
Leakage current tester
Device under test
+
–
Test all exposed metal surfaces
2-wire cord
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE SET TO THE CUSTOMER.

High Voltage

This set is provided with a X-ray protection for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this X-ray protection may correctly by operated.

Serviceman Warning

In the status of the black picture (video muting is being applied) when no signal is input, high voltage of this set during operation is less than 30.5kV. In case any component having some relation to the high voltage is replaced, confirm that the high voltage is lower than 30.5kV in the status of the black picture when no signal is input.

To measure H.V. use a high impedance H.V. meter.

Connect (–) to earth and (+) to the FBT anode cable connector.

(Refer to page 50)

X-radiation

TUBE: The primary source of X-radiation in this set is the picture tube.

For continued X-radiation protection, the replacement tube must be the same type as the original, SHARP approved type.

The picture tube (the CRT assy R, G, B) use in this set holds complete guarantee against X-ray radiation when the X-ray is sealed (See page 5). Accordingly, when the current in flowing to the picture tube (CRT assy R, G, B) be sure to perform it by putting the tube into X-ray sealed applied state. Avoid absolutely to flow the current to the picture tube (CRT assy R, G, B) itself. Moreover, when the voltage of the high voltage circuit becomes abnormally a little higher, the picture tube radiates X-rays. Accordingly, when servicing the high voltage circuit be sure to replace as an assembly with the DEFLECTION SERVICE assy in the manner in which has been adjusted to perform normal operation.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in SHARP set have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the SHARP recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, X-radiation, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current SHARP Service Manual. A subscription to, or additional copies of SHARP Service Manual may be obtained at a nominal charge from SHARP.

CHARGED SECTION, HIGH VOLTAGE GENERATING POINT AND X-RAY PROTECTION

■ Charged section

The circuit in which the commercial AC power is used as it is without passing through the power supply transformer. If the charged section is touched, there is a risk of electric shock. In addition, the measuring equipment can be damaged if it is connected to the GND of the charged section and the GND of the non-charged section while connecting the set directly to the commercial AC power supply. In this case, be sure to connect the set via an insulated transformer and supply the current.

■ Charged section (Power supply primary side)

1. The primary side of the AC IN assy
2. AC power cord
3. The primary side of the POWER SUPPLY assy
4. AC power cord for DTV STB

□: Part is the charged section.
▨: Part is the high voltage generating points other than the charged section.

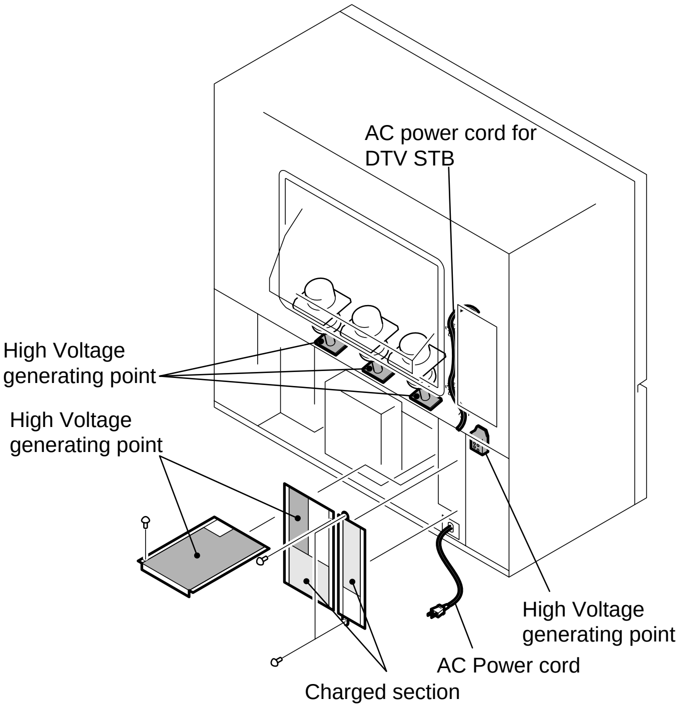

AC power cord for DTV STB
High Voltage generating point
High Voltage generating point
High Voltage generating point
AC Power cord
Charged section

Fig. 1 Charged section and high voltage generating point

■ High voltage generating point

The place where voltage is 100V is generated.

1. Charged seciton
   DEFLECTION assy
   (including FBT) (30.5kV, 1.2kV, 210V,135V)
2. POWER SUPPLY assy (135V)
3. R. CRT DRIVE assy (10.5kV, 210V)
4. G. CRT DRIVE assy (10.5kV, 210V)
5. B. CRT DRIVE assy (10.5kV, 210V)
6. CRT assy R (CRT service assy R) (30.5kV)
7. CRT assy G (CRT service assy G) (30.5kV)
8. CRT assy B (CRT service assy B) (30.5kV)
9. Focus variable resistor(VR1) (10.5kV)
10. Deflection yokes (L1, L2 and L3) Approx. (1100V at peak)

■ X-ray protection

- Regarding the parts which are relative to radiation of X-rays (There is the danger to radiate X-ray from the individual CRT assy R, G, B), there are notifications of caution in the individual schematic diagrams. Be sure to read them for safety's sake.
- The component parts for X-ray protection are as follows : When the current flows to the CRT assy R, G, B, be sure to perform it with these parts being attached. Protection from the X-ray radiation is maintained in the state in which these parts have been installed to the CRT assy. R, G, B. Accordingly, never supply current only to the CRT assy R, G, B.

  Moreover, the anode voltage of the CRT assy R, G, B should always be kept not higher than the predetermined value (in the minimum brightness and picture state when non signal input is less than 30.5kV). Be sure to drive the CRT assy R, G, B by using a completely functional DEFLECTION assy which have been adjusted completely in the combined state. (When the voltage abnormally becomes high, the X-ray protection circuit will operate.)

1. CRT assy R, G, B (Do not dismantle CRT assemblies under any circumastances)
2. Each Lens assy

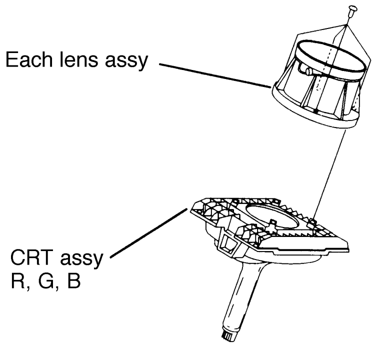


Fig. 2 Component parts for X-ray protection

Front Panel Functions

A flip-down door conceals the control panel. Push gently and release, to open the door. To close the door, lift it back up into place.

NOTE:
If you accidentally pull the door, it may not shut properly. Push the door back in to shut it.

① POWER/DOWNLOAD indicator

Lights when power is on. Flashes when downloading the GUIDE Plus+ program information.

② Timer indicator

Lights GUIDE Plus+ timer is set.

③ DTV indicator

Lights when receiving a digital television broadcast. Flashes when downloading the DTV program information. (DTV indicator may still blink even when the power has been turned off. This is not a defect.)

④ OPC sensor

Sensor to detect the room brightness.

⑤ POWER button (STANDBY/ON)

Press once to turn on the Rear Projection HDTV. Press again to turn off the Rear Projection HDTV.

NOTE:
When the Rear Projection HDTV is turned on in DTV mode, it may take several seconds before the DTV image is displayed. This is not a malfunction.

⑥ INPUT button

Press to select your program source. Each press of the INPUT changes the selection to the next source.

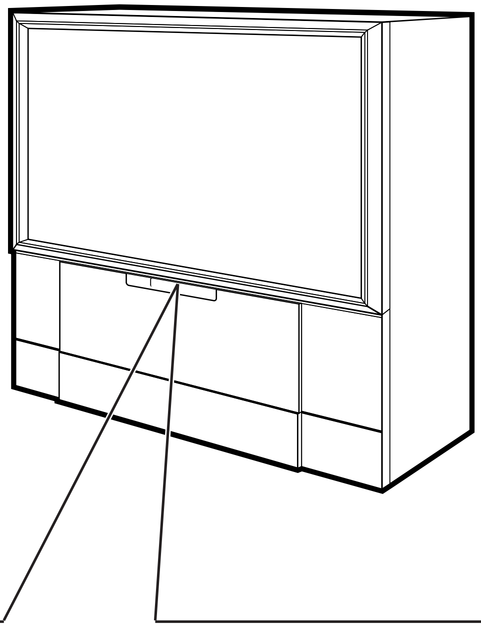
→ TV → DTV → INPUT 1
INPUT 4 ← INPUT 3 ← INPUT 2 ←

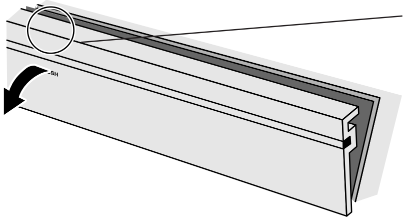
⑦ CHANNEL buttons

Press plus ▲ or minus ▼ to tune to a higher or lower channel. Only the preset channels can be tuned in using these buttons.

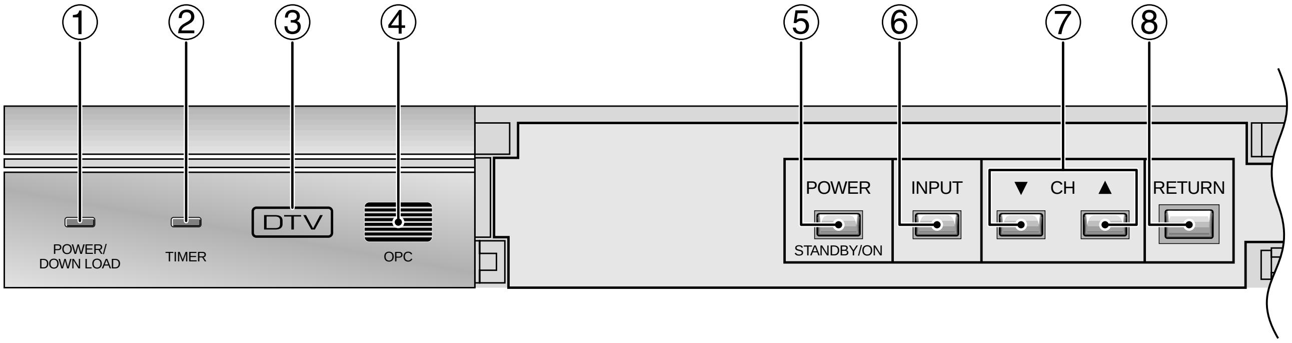
⑧ RETURN button

Press to set the Rear Projection HDTV to its initial mode.





In some cases, the door may only open slightly when pushed.
In such cases, open the door with your finger as shown in the figure at left.



Initial mode

- Input selector: Set to TV.
- TV channel: Remains at the last channel set.
- VOLUME: Remains at the last setting.
- MUTING: OFF
- VIDEO
  - MODE: STD
  - Parameters: Set to 0.
  - 3D Y/C LEVEL: 3
  - 3D NR LEVEL: 3
  - CNR: OFF
  - FAV. COLOR: STD.
  - FLESH TONE: ON
- AUDIO
  - MTS: MAIN
  - Parameters: Set to 0.
  - SURROUND: OFF
- VIEW
  - AUTO VIEW: OFF
  - MODE: SMART STRETCH
  - V. POSITION: Set to 0.
- CC: OFF
- OPC: OFF
- SYSTEM IN/OUT
  - SPEAKER: NORMAL
  - AUDIO OUT: FIXED

- When this button is pressed while adjusting the outer point convergence, the outer point convergence returns to the initial mode.

⑨ VOLUME buttons

Press plus (+) button to increase the volume, press minus (–) button to decrease it.

⑩ INPUT 4 jacks

These inputs are for Video Movie and VCR. Use RCA-type pin plug cords (the same as those used in Hi-Fi systems) and S-VIDEO cords for connections. When the audio source to be connected is monaural, connect the source to the L-(MONO) jack.

CAUTION:

Do not press any operation button on the Rear Projection HDTV or the remote control unit while recording. Signals from the MONITOR OUTPUT jacks may be temporarily interrupted when a button is pressed.

ATTENTION

The Rear Projection HDTV Receiver will not function properly in the following cases.

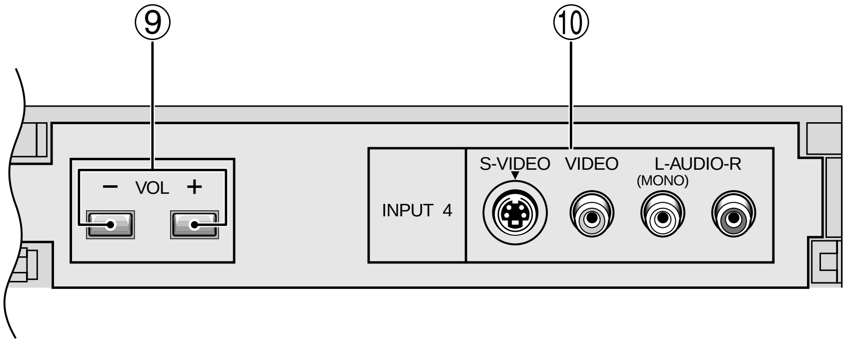
- An electrical discharge in the CRT.
- Lightning storms.
- High static electricity environment.
- Poor voltage regulation in the power source.

If the Rear Projection HDTV does not operate properly, reset it as follows:

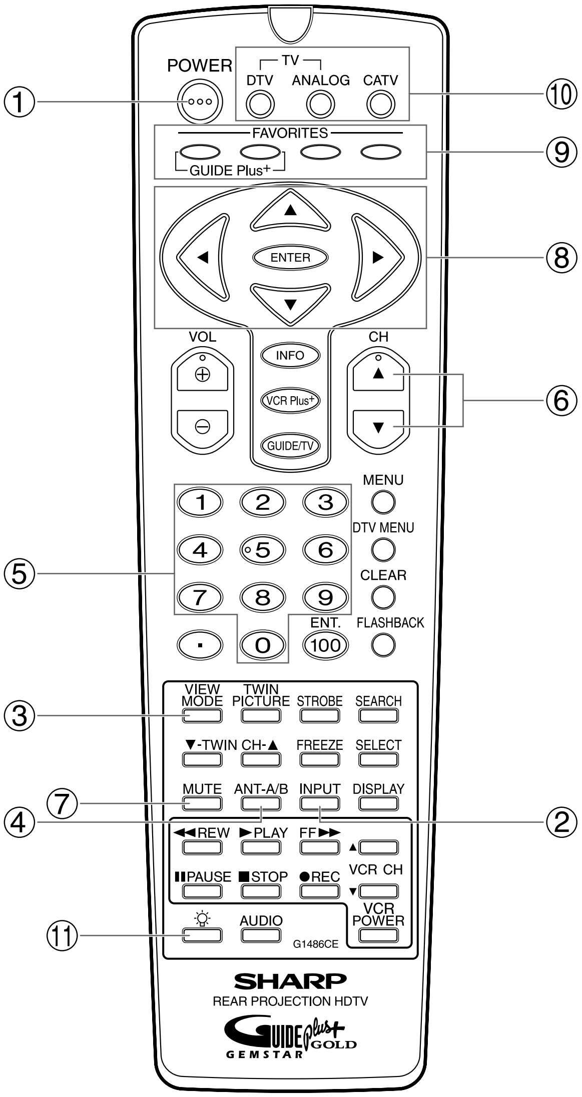
1. Unplug the AC cord.
2. After approximately 1 minute, turn on the power with switch and ⑤ POWER button.

NOTE:

On rare occasions, an electrical discharge may occur inside the CRT. It makes a short, sharp pop and either no sound is produced or the volume level changes by itself. The TWIN PICTURE and SEARCH SCREEN function will be cancelled automatically if an electrical discharge occurs when this function is engaged.



Remote Control Unit Functions


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
CH
INFO
VCR Plus+
GUIDE/TV
MENU
DTV MENU
CLEAR
FLASHBACK
1
2
3
4
5
6
7
8
9
·
0
ENT.
100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
◀◀REW
▶PLAY
FF▶▶
VCR CH
❚❚PAUSE
■STOP
●REC
AUDIO
VCR POWER
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR

MONITOR (TV) CONTROL BUTTONS

① **POWER button**
Turns the power of the Rear Projection HDTV on and off.

② **Input button (TV, DTV, INPUT 1 to INPUT 4)**
Press the button to select the source you wish to watch. The screen will display your selection.

③ **VIEW MODE button**
Press to select the VIEW MODE.

④ **ANT-A/B button**
Press to switch between ANTENNA-A and ANTENNA-B when you wish to watch TV.

⑤ **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

⑥ **CH (channel) ▲, ▼ button**
Press plus ▲ or minus ▼ to tune in a higher or lower channel. Only the preset channels can be tuned in using these buttons.

⑦ **MUTE button**
Press to temporarily turn off the sound. Press again to return to the previous volume level.

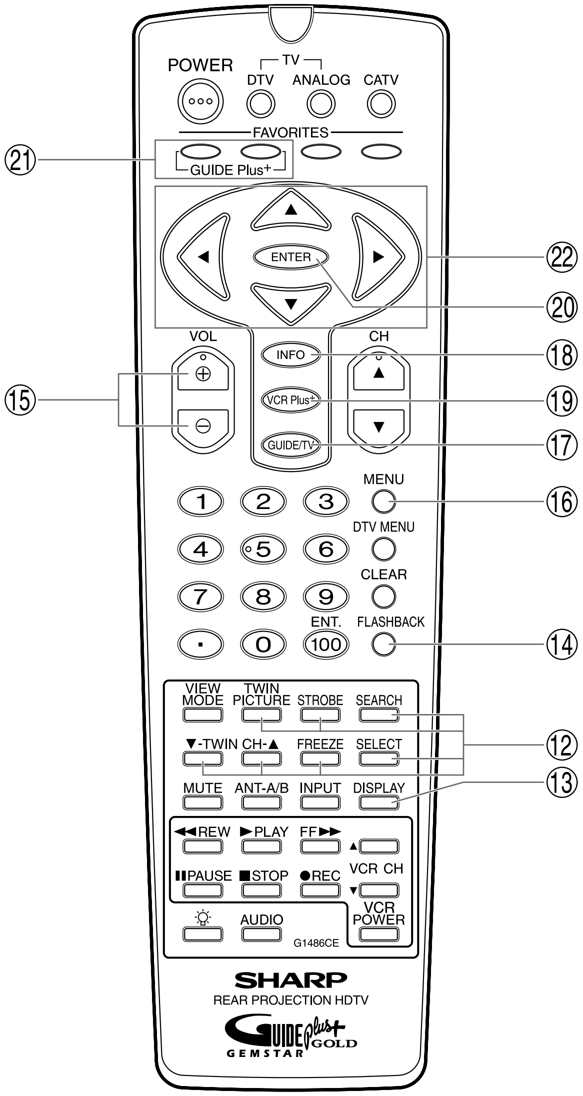
⑧ **Cursor/ENTER buttons (ENTER, ◀, ▶, ▲, ▼)**
◀, ▶, ▲, ▼: Press to select or adjust items on the menu screen.
ENTER: Press to activate the selected function.

⑨ **FAVORITES buttons**
These buttons call up the channels that have been assigned to them.

REMOTE CONTROL UNIT SETTING BUTTONS

⑩ **Remote control mode select buttons**
Use to switch the remote control unit modes.

⑪ **Light button**
When this button is pressed, some buttons on the remote control unit will light. The lighting will turn off if no operations are performed within about six seconds.
This button is used for performing operations in dark places.


㉑
⑮
㉒
⑳
⑱
⑲
⑰
⑯
⑭
⑫
⑬
POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
CH
INFO
VCR Plus+
GUIDE/TV
MENU
DTV MENU
CLEAR
ENT.
FLASHBACK
1
2
3
4
5
6
7
8
9
·
0
100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
◀◀REW
▶PLAY
FF▶▶
VCR CH
❚❚PAUSE
■STOP
●REC
VCR POWER
AUDIO
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR

⑫ TWIN PICTURE/SEARCH screen buttons

TWIN PICTURE: Press to turn the TWIN PICTURE screen function on and off.
STROBE: Press to turn the STROBE screen on and off.
SEARCH: Press to select the SEARCH screen mode.
SELECT: Selects the screen for switching the channel or input source.*1
FREEZE: When this button is pressed with the regular screen, the screen will change to the TWIN PICTURE screen and the picture at the time the button was pressed will become the sub-picture, displayed as a frozen image.
▼-TWIN CH-▲: Used to switch the channel for the sub-picture of the TWIN PICTURE screen.

⑬ DISPLAY button

Turns the screen indicators for the input source, channel, setting, and they will appear for a few seconds.

⑭ FLASHBACK button

Press to switch between the current channel and the channel you were watching immediately before.

⑮ VOL (volume) +, – buttons

Press plus (+) button to increase the volume, press minus (–) button to decrease it.
Volume level will appear on the screen as numbers and a bar graph.
The maximum volume level is “63”.
The display will disappear from the screen after 2 seconds.

⑯ MENU button

Press to turn on the menu screen for use in function selection.
Press again to return to normal TV screen.

⑰ GUIDE/TV button

⑱ INFO button

⑲ VCR Plus+ button

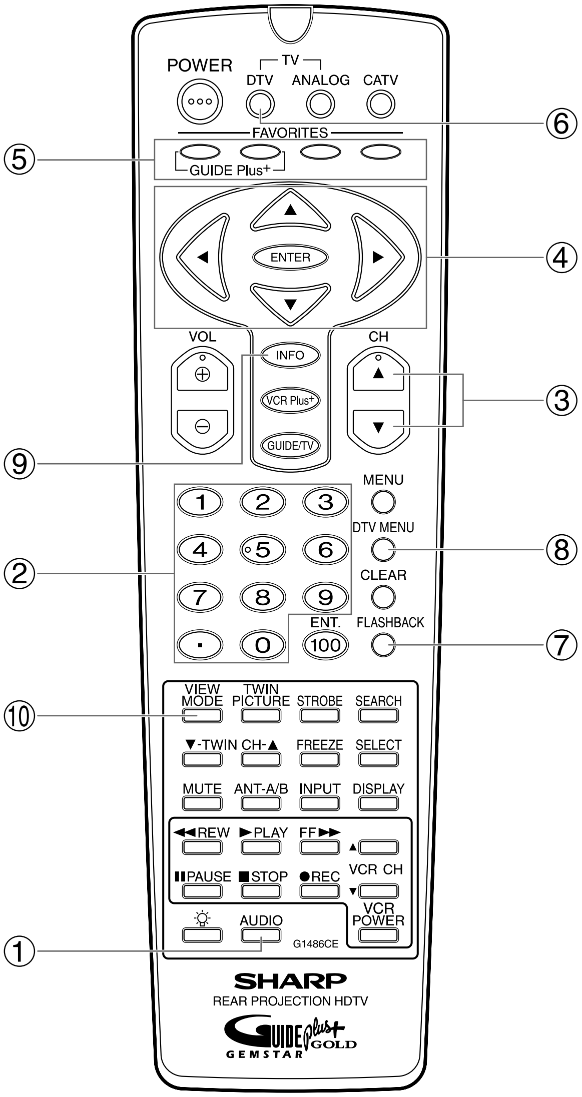
⑳ ENTER button

㉑ ACTION button

㉒ button

The buttons of ⑰-㉒ listed above are GUIDE Plus+ buttons.

*1 With the 9-SEARCH screen, the search picture’s input source and channel cannot be switched.


POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
CH
INFO
VCR Plus+
GUIDE/TV
MENU
DTV MENU
CLEAR
ENT.
FLASHBACK
1
2
3
4
5
6
7
8
9
·
0
100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
◀◀REW
▶PLAY
FF▶▶
VCR CH
❚❚PAUSE
■STOP
●REC
VCR POWER
AUDIO
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩

DTV CONTROL BUTTONS

① **AUDIO button**
Press to select the audio mode during multiaudio broadcasts.

② **Direct channel selection buttons, (·) button**
Press the buttons that corresponds to the channel that you wish to watch.

③ **CH (channel) ▲, ▼ button**
Press plus ▲ or minus ▼ to tune in a higher or lower channel.

④ **Cursor/ENTER buttons (ENTER, ◀, ▶, ▲, ▼)**
◀, ▶, ▲, ▼: Press the button to select items on the DTV MENU screen.
ENTER: Press to activate the selected function.

⑤ **FAVORITE CH/Colored (blue, green, red and yellow) buttons**
FAVORITE CH: Used for making FAVORITE CH settings for the DTV.
Blue, Green, Red, Yellow: Used to make selections from the DTV menu.

⑥ **DTV button**
Turns the TV to the DTV mode.

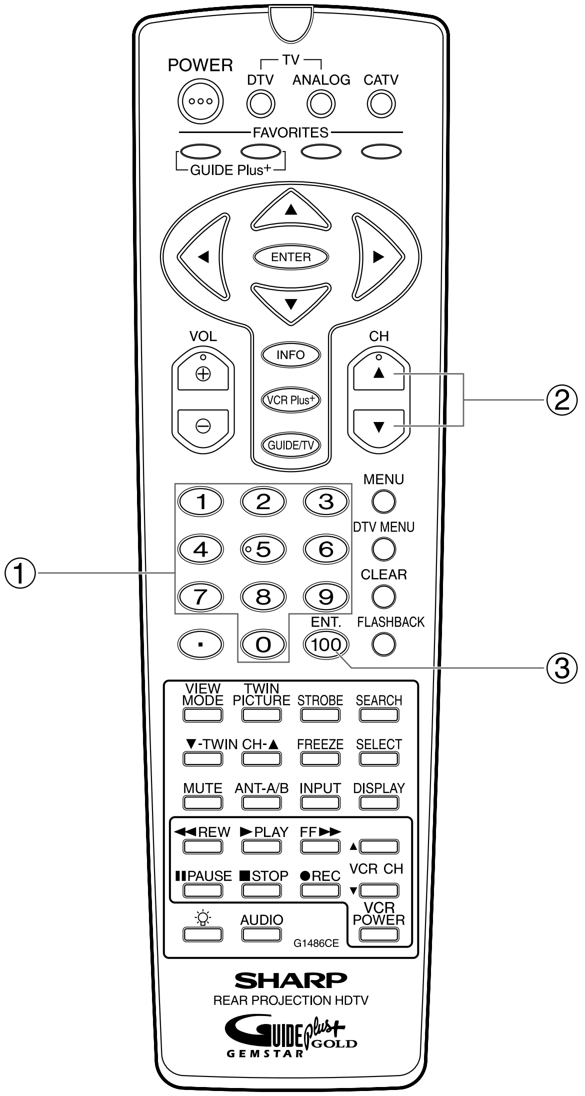
⑦ **FLASHBACK button**
Press to switch between the current channel and the channel you were watching immediately before.

⑧ **DTV MENU button**
When this button is pressed, the DTV menu screen will be displayed.

⑨ **INFO button**
When this button is pressed, information on DTV will be displayed.

⑩ **VIEW MODE button**
Adjust picture size.

CABLE CONTROL BUTTONS


POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
CH
INFO
VCR Plus+
GUIDE/TV
MENU
DTV MENU
CLEAR
ENT.
FLASHBACK
100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
◀◀REW
▶PLAY
FF▶▶
VCR CH
❚❚PAUSE
■STOP
●REC
AUDIO
VCR POWER
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR
①
②
③

Cable converters which are made by other makers and are not preset can also be operated using the remote control unit if buttons ① to ② have learnt the functions.

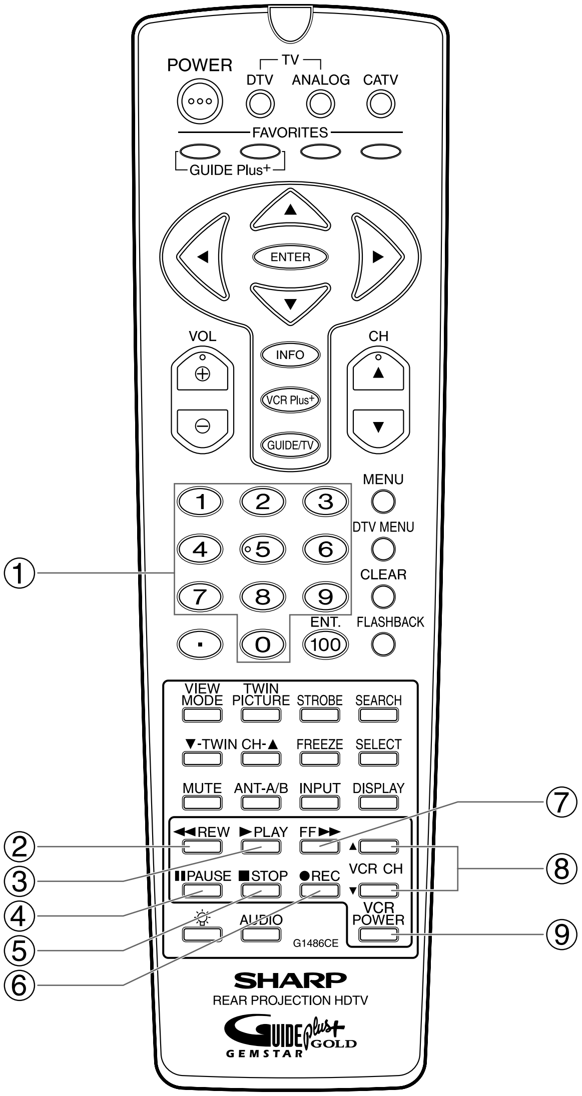
① **Direct channel selection buttons**
Press the button (or buttons) that corresponds to the channel that you wish to watch.

② **CH (channel) ▲, ▼ buttons**
Press plus ▲ or minus ▼ to tune in a higher or lower channel.

③ **ENTER button ***
Fix the selected channel with the direct channel selection buttons.

* Some manufacturers do not preset ENTER.

VCR CONTROL BUTTONS


POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
CH
INFO
VCR Plus+
GUIDE/TV
MENU
DTV MENU
CLEAR
FLASHBACK
ENT.
100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
REW
PLAY
FF
PAUSE
STOP
REC
VCR CH
AUDIO
VCR POWER
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR
①
②
③
④
⑤
⑥
⑦
⑧
⑨

If the VCR is preset by OPERATION OF REMOTE CONTROL, the remote control unit button will function as follows when the mode switch of the remote control unit is set to VCR.
When the input button having the same number as the input terminal connecting the VCR is pressed, the VCR can be operated using buttons ① to ⑨.
VCR which are made by other makers and are not preset can also be operated using the remote control unit if buttons ① to ⑨ have learnt the functions.

① **Numeric buttons**
Use to enter two-digit code numbers when identifying your VCR.

② **◀◀ REW**
Press to rewind a tape. For some VCRs you may need to press STOP first, then REWIND.
In Playback mode, hold button down to view picture moving rapidly in reverse.

③ **▶ PLAY**
Press to play back a tape.

④ **❚❚ PAUSE**
Press to temporarily stop the tape during playback or recording. Press again to release Pause.

⑤ **■ STOP**
Press to stop the tape.

⑥ **● REC**
Press to begin recording.

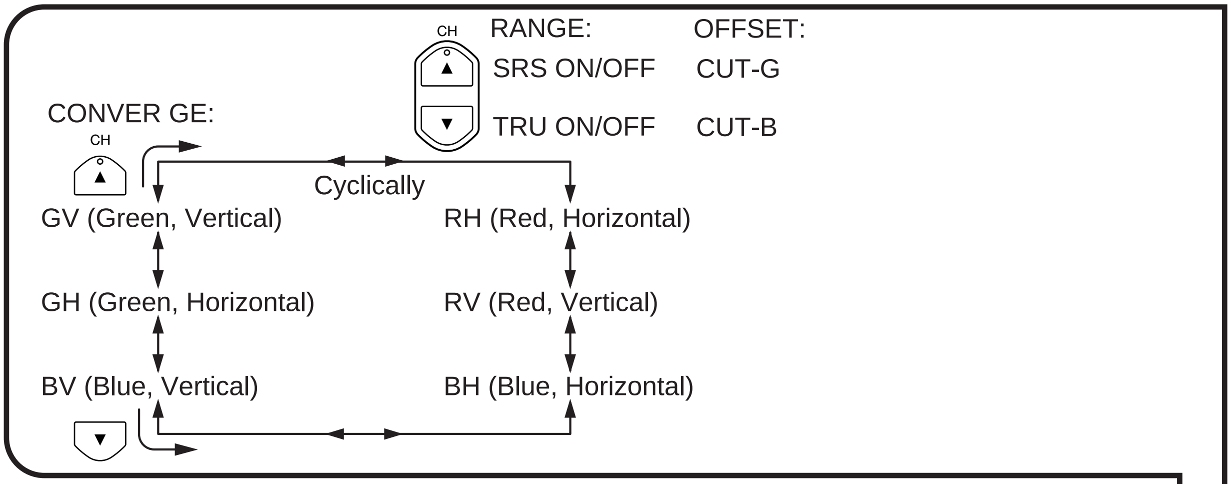
⑦ **FF ▶▶**
Press to rapidly advance the tape. For some VCRs, you may need to press STOP first, then FF.
In Playback mode, hold button down to view the picture moving rapidly in forward direction.

⑧ **VCR CHANNEL UP (▲)/ DOWN (▼)**
Press to scan up or down through the channels on the VCR.

⑨ **VCR POWER ●**
Press to turn the VCR on and off.

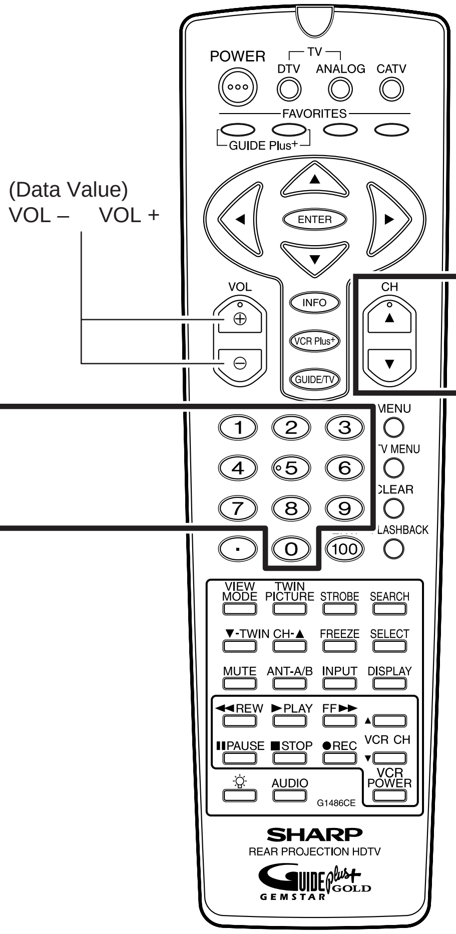
ADJUSTMENT

■ Key Indication of the Remote Control Unit

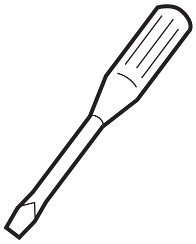
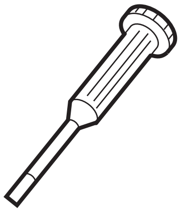
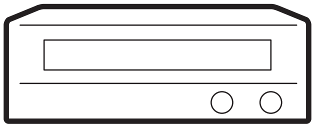
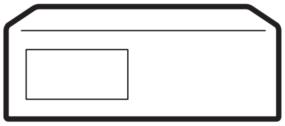
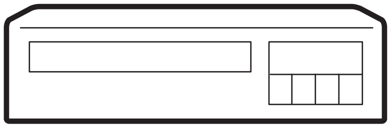
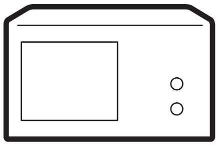
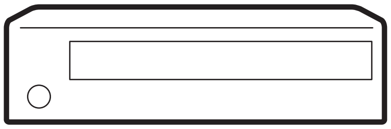

CH
RANGE:
OFFSET:
SRS ON/OFF
CUT-G
TRU ON/OFF
CUT-B
CONVER GE:
CH
Cyclically
GV (Green, Vertical)
RH (Red, Horizontal)
GH (Green, Horizontal)
RV (Red, Vertical)
BV (Blue, Vertical)
BH (Blue, Horizontal)

• Adjustment Items

Adjustment RANGE	Adjustment OFFSET	Adjustment Name	NU MERIC KEYS	ADJUSTMENT ITEMS	TYPE GH	TYPE GV	TYPE RH	TYPE RV	TYPE BH	TYPE BV
	○	CUT-R	0	STATIC	○	○	○	○	○	○
○		VOL0								
○	○	Color	1	SKEW ↓ 3D SKEW ↓ 5D SKEW	○	○	○	○	○	○
○	○	TINT	2	BOW ↓ 4D BOW ↓ 6D BOW	○	○	○	○	○	○
○	○	Contrast	3	SUB KEY ↓ M S KEY ↓ 3S KEY ↓ M 3S KEY	○	○	○	○	○	○
○	○	Bright	4	KEY ↓ MID KEY ↓ 3D KEY ↓ M 3D KEY	○	○	○	○	○	○
○	○	Sharpness	5	SUB PIN ↓ M S PIN ↓ 4S PIN ↓ M 4S PIN	○	○	○	○	○	○
○		3D YC, 3D NR Level	6	PIN ↓ MID PIN ↓ 4D PIN ↓ M 4D PIN	○	○	○	○	○	○
	○	Detail								
○		VOL20	7	LIN ↓ MID LIN ↓ 6D LIN	○	○	○	○	○	○
	○	S.V.M								
○		VOL30	8	SIZE ↓ MID SIZE ↓ 5D SIZE	○	○	○	○	○	○
	○	DRV-R								
○		S.V.M	9							
	○	DRV-B								

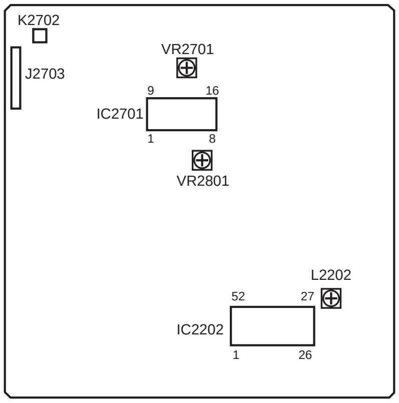

(Data Value)
VOL –
VOL +
POWER
TV
DTV
ANALOG
CATV
FAVORITES
GUIDE Plus+
ENTER
VOL
INFO
VCR Plus+
GUIDE/TV
CH
MENU
TV MENU
CLEAR
FLASHBACK
1 2 3 4 5 6 7 8 9 · 0 100
VIEW MODE
TWIN PICTURE
STROBE
SEARCH
▼-TWIN CH-▲
FREEZE
SELECT
MUTE
ANT-A/B
INPUT
DISPLAY
◀◀REW
▶PLAY
FF▶▶
VCR CH
❚❚PAUSE
■STOP
●REC
AUDIO
VCR POWER
G1486CE
SHARP
REAR PROJECTION HDTV
GUIDE plus+ GOLD
GEMSTAR

Jigs and Measuring Instruments

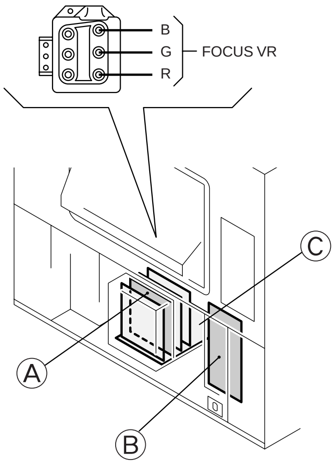
 $\boxed{9}$ Screwdriver	 $\boxed{9}$ Adjustment screwdriver	
 Color bar generator	 D.DC. Volt meter	 LD player
 Monoscope	 Dual trace oscilloscope	 Frequency counter
 For HD Signal generator		

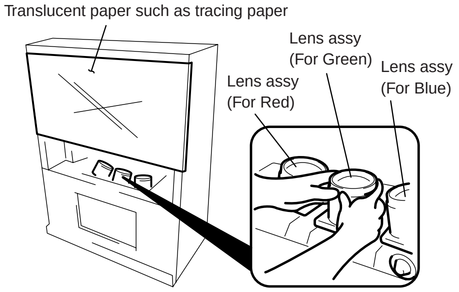
■ Assembly Adjustment Location and Items

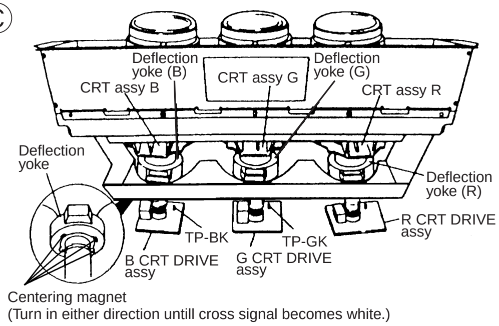
Ⓐ TUNER • µ-COM ASSY (A SIDE)


K2702
J2703
VR2701
9
16
IC2701
1
8
VR2801
L2202
52
27
IC2202
1
26

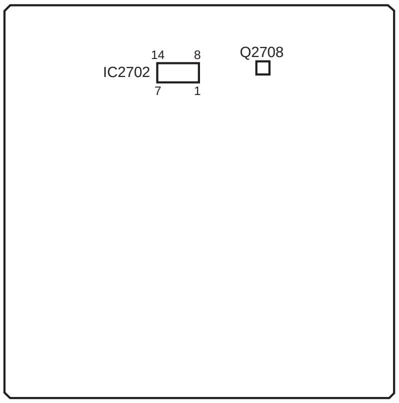
FOCUS VR (VR1)


B
G
R
FOCUS VR
Ⓒ
Ⓐ
Ⓑ

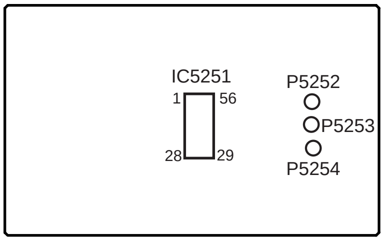

Translucent paper such as tracing paper
Lens assy
(For Green)
Lens assy
(For Red)
Lens assy
(For Blue)


Deflection
yoke (B)
CRT assy B
CRT assy G
Deflection
yoke (G)
CRT assy R
Deflection
yoke
Deflection
yoke (R)
R CRT DRIVE
assy
TP-BK
TP-GK
B CRT DRIVE
assy
G CRT DRIVE
assy
Centering magnet
(Turn in either direction untill cross signal becomes white.)

TUNER • µ-COM ASSY (B SIDE)


14
8
IC2702
7
1
Q2708

Ⓒ VIDEO ASSY (A SIDE)


IC5251
1
56
28
29
P5252
P5253
P5254

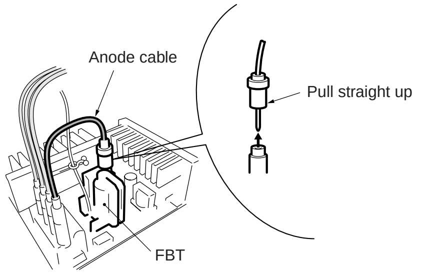
MEASURING METHOD

Disconnect the FBT anode cable as shown below.
Measure at the point where the cable enters the FBT.

Caution: Take extra precaution when measuring the voltage. High voltage are also present in surrounding circuit boards. (CRT DRIVE assy, POWER SUPPLY assy).

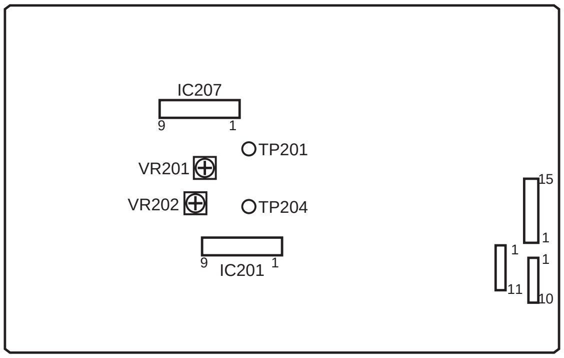
SERVICEMAN WARNING

Before removing the anode cable, turn off the power, unplug the AC plug and let the unit discharge for more than 1 minute.


Anode cable
Pull straight up
FBT

Note:
When reconnecting the cable, proceed in the reverse order. After reconnecting, tug on the cable to check that it is secure.

Ⓑ POWER SUPPLY ASSY


IC207
9
1
TP201
VR201
VR202
TP204
9
IC201
1
15
1
1
11
1
10

❶ Power supply adjustment
❷ Contrast coarse adjustment
❸ Brightness adjustment (SHARP's standard settings)
❹ Deflection yoke lean adjustment
❺ Screen center adjustment
❻ Focus adjustment of lens assy
❼ Focus VR adjustment
❽ Vertical size adjustment
❾ Horizontal size adjustment
❿ Convergence adjustment
⓫ Test cross H-center position adjustment
⓬ Tuner block adjustment
⓭ White balance adjustment
⓮ SHARP's standard settings
⓯ Side panel adjustment (Screen size 4:3)
⓰ SPLIT screen adjustment

Assembly Adjustment Location Guide

Ⓑ If POWER SUPPLY ASSY	is repaired	❶ Power supply adjustment
	is replaced	No adjustment is required
If DEFLECTION ASSY	is repaired or replaced	❼ Focus VR adjustment ❽ Vertical size adjustment ❾ Horizontal size adjustment ❿ Convergence adjustment ⓭ White balance adjustment
Ⓒ If VIDEO ASSY	is repaired or replaced	❸ Brightness adjustment ⓭ White balance adjustment ⓮ SHARP's standard settings ⓯ Side panel adjustment
Ⓐ If TUNER μ-COM ASSY	is repaired: the μ-COM block	❷ Contrast coarse adjustment ❸ Brightness adjustment ⓫ Test cross H-center position adjustment ⓮ SHARP's standard settings
	is repaired: the tuner block	⓬ Tuner block adjustment
	(*1) is replaced	All the above adjustments except for the ⓫ test-cross H-center position adjustment and tuner adjustment are required.
If AMP ASSY	is repaired or replaced	❽ Vertical size adjustment ❾ Horizontal size adjustment ❿ Convergence adjustment
If R, G or B CRT DRIVE ASSY	is repaired or replaced	❸ Brightness adjustment (SHARP's standard settings) ⓭ White balance adjustment
If CRT ASSY	R, G, B or deflection yoke is replaced	❹ Deflection yoke lean adjustment ❺ Screen center adjustment ❼ Focus VR adjustment ❿ Convergence adjustment ⓭ White balance adjustment ⓮ SHARP's standard settings
If LENS ASSY	is replaced	❻ Focus adjustment of lens assy ❿ Convergence adjustment
If SIGNAL ASSY	is repaired or replaced	Check white balance. If the best screen is not obtained, adjust ⓭ White balance adjustment ⓰ SPLIT screen adjustment
If SUB VIDEO ASSY	is repaired or replaced	⓭ White balance adjustment ⓮ SHARP's standard settings
If CONVER. DAC ASSY	is repaired or replaced	❿ Convergence adjustment
If OTHER ASSY	is repaired or replaced	No adjustment is required

(*1) When replacing the tuner u-com assembly, mount the IC2204 (24LC32A:E^2 PROM)on the current assembly to the new one to facilitate adjustments.

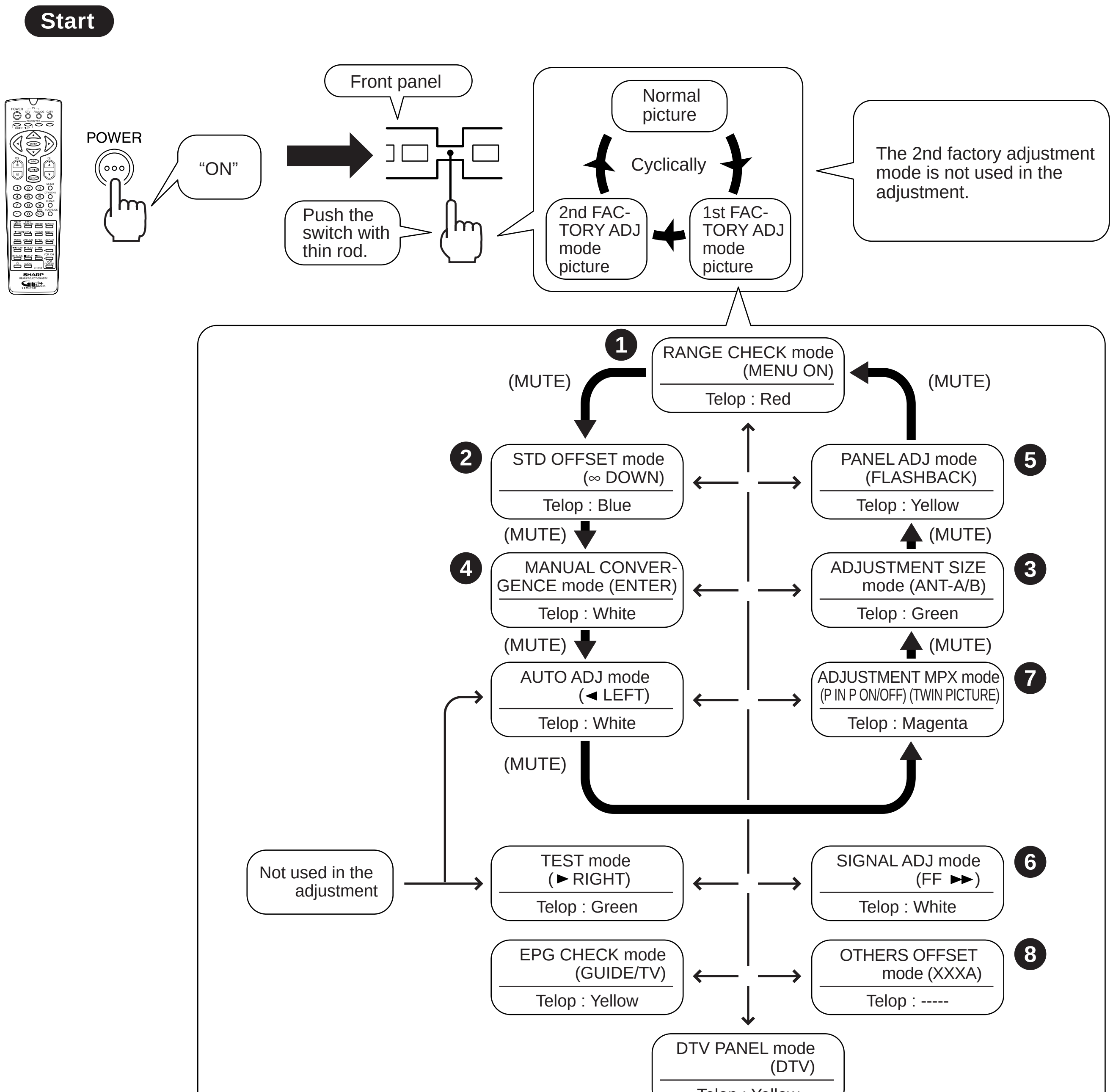
Factory ADJ Mode

Start .... Start adjusting

1st FAC .... Select 1st factory adjustment mode, then adjust.

Select 1st FACTORY ADJ Mode

Selecting the mode for adjustment operations.

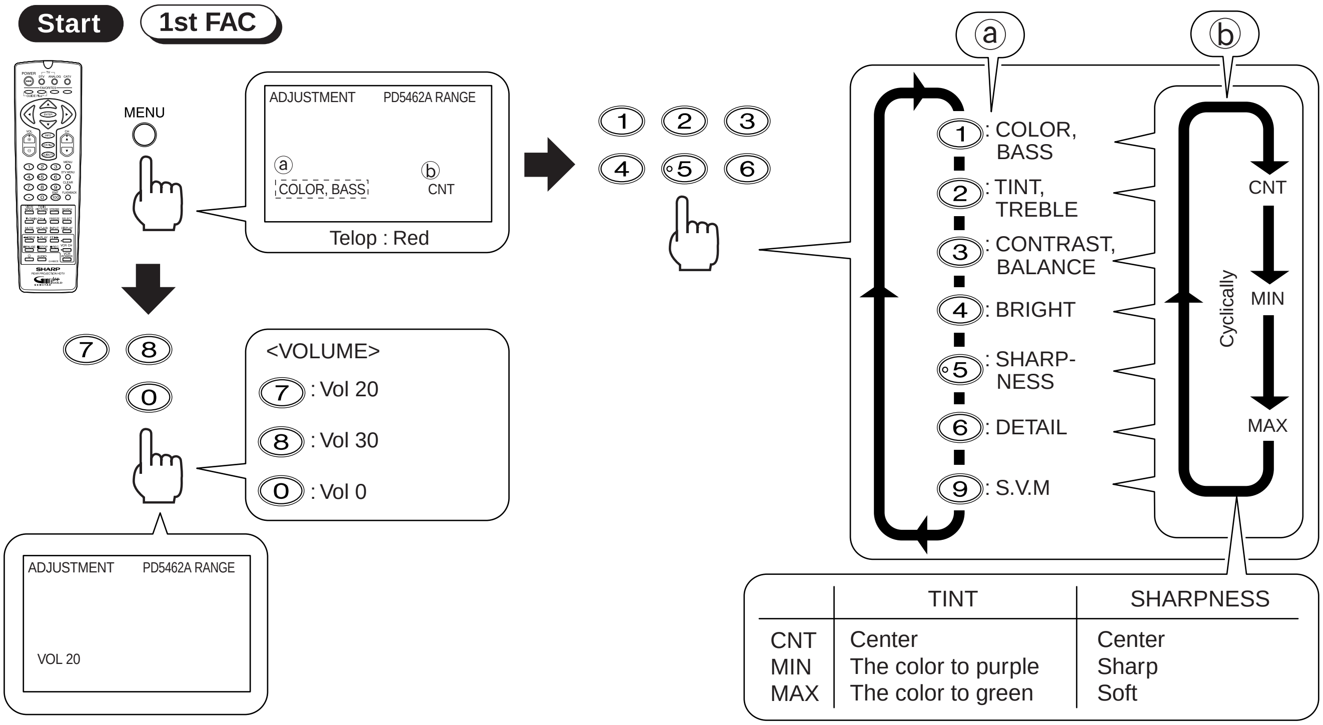

Start
POWER
"ON"
Front panel
Push the switch with thin rod.
Normal picture
Cyclically
2nd FACTORY ADJ mode picture
1st FACTORY ADJ mode picture
The 2nd factory adjustment mode is not used in the adjustment.
1
RANGE CHECK mode (MENU ON)
Telop : Red
(MUTE)
(MUTE)
2
STD OFFSET mode (∞ DOWN)
Telop : Blue
(MUTE)
4
MANUAL CONVERGENCE mode (ENTER)
Telop : White
(MUTE)
AUTO ADJ mode (◄ LEFT)
Telop : White
(MUTE)
5
PANEL ADJ mode (FLASHBACK)
Telop : Yellow
(MUTE)
3
ADJUSTMENT SIZE mode (ANT-A/B)
Telop : Green
(MUTE)
7
ADJUSTMENT MPX mode (P IN P ON/OFF) (TWIN PICTURE)
Telop : Magenta
Not used in the adjustment
TEST mode (► RIGHT)
Telop : Green
6
SIGNAL ADJ mode (FF ►►)
Telop : White
EPG CHECK mode (GUIDE/TV)
Telop : Yellow
8
OTHERS OFFSET mode (XXXA)
Telop : -----
DTV PANEL mode (DTV)
Telop : Yellow

Note :

The brackets ( ) show the operation key.

1 Adjustment Range Mode

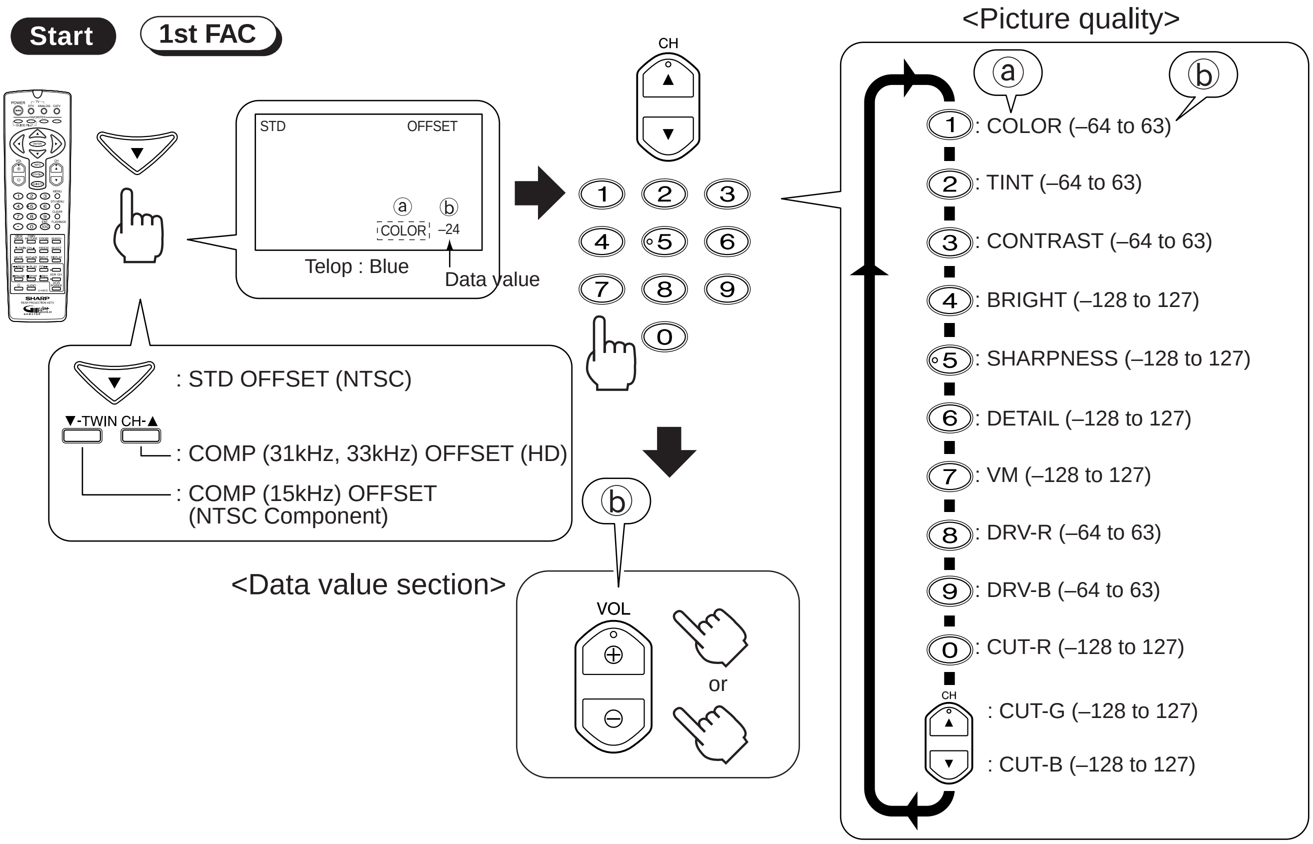
Picture quality, eyc., Change amount check made operating.


Start
1st FAC
MENU
ADJUSTMENT PD5462A RANGE
ⓐ COLOR, BASS
ⓑ CNT
Telop : Red
1 2 3
4 5 6
7 8
0
<VOLUME>
7 : Vol 20
8 : Vol 30
0 : Vol 0
ADJUSTMENT PD5462A RANGE
VOL 20
ⓐ
ⓑ
1 : COLOR, BASS
2 : TINT, TREBLE
3 : CONTRAST, BALANCE
4 : BRIGHT
5 : SHARP-NESS
6 : DETAIL
9 : S.V.M
CNT
MIN
MAX
Cyclically

	TINT	SHARPNESS
CNT	Center	Center
MIN	The color to purple	Sharp
MAX	The color to green	Soft

2 Adjustment OFFSET Mode

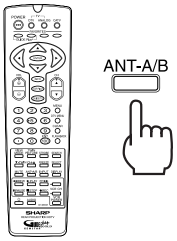
This mode is to set the standard picture quality for a normal picture.

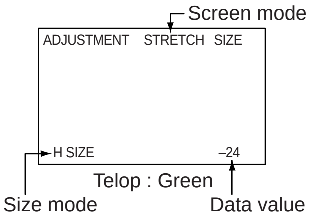

<Picture quality>
Start
1st FAC
STD OFFSET
ⓐ ⓑ
COLOR –24
Telop : Blue
Data value
CH
1 2 3
4 5 6
7 8 9
0
: STD OFFSET (NTSC)
▼-TWIN CH-▲
: COMP (31kHz, 33kHz) OFFSET (HD)
: COMP (15kHz) OFFSET (NTSC Component)
<Data value section>
ⓑ
VOL
or
ⓐ
ⓑ
1 : COLOR (–64 to 63)
2 : TINT (–64 to 63)
3 : CONTRAST (–64 to 63)
4 : BRIGHT (–128 to 127)
5 : SHARPNESS (–128 to 127)
6 : DETAIL (–128 to 127)
7 : VM (–128 to 127)
8 : DRV-R (–64 to 63)
9 : DRV-B (–64 to 63)
0 : CUT-R (–128 to 127)
CH
: CUT-G (–128 to 127)
: CUT-B (–128 to 127)

3 Size Mode

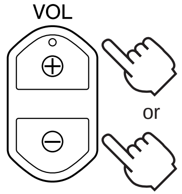
Start **1st FAC**

- Mode for roughly adjusting the horizontal and vertical sizes of the main deflection.
- In this mode, the color is green only, screen size is STRETCH and the contrast is +10.
- The above settings are cleared when this mode is exited.



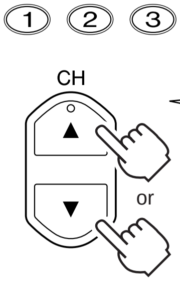

Screen mode
ADJUSTMENT STRETCH SIZE
H SIZE
–24
Telop : Green
Size mode
Data value

<Data value section>



(–128 to 127)

<Size mode>



① : H Size

② : V Size

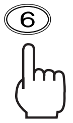
③ : P HA

CH + : H PHA (31 kHz)
CH – : H PHA (33 kHz)
For service

Table on H SIZE and V SIZE data

Picture quality mode	H SIZE	V SIZE
SMART STRETCH	A	B
CINEMA ZOOM	A	B
ZOOM	A	B
STRETCH	A	B
STRETCH (HD)	A+D	B

A, B: are adjustment values.
D: Fixed value.



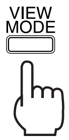
⑥ : STRETCH (HD) H SIZE and fixed value D can be varied.

Table on H PHA data

	Component input (INPUT1, INPUT2)			DTV	Others (NTSC system)
	15 kHz	31 kHz	33 kHz		
PHA	C	E	F	G	C

C: Adjustment value
G: Fixed value
E, F: Fixed value + arbitrary service values

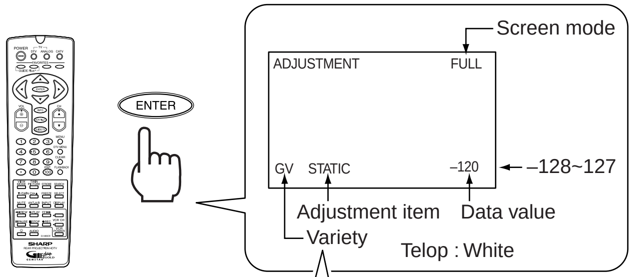
<View mode>



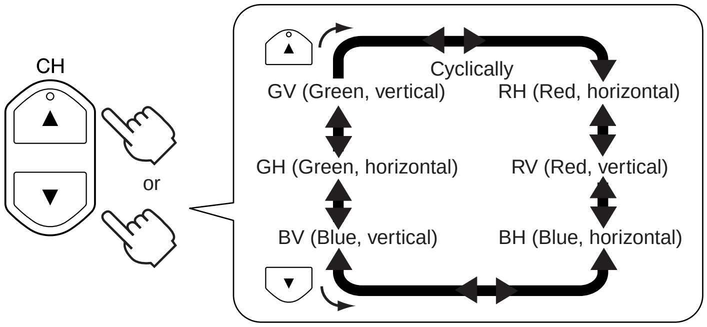
STRETCH → CINEMA ZOOM → ZOOM
STRETCH (HD) ← SMART STRETCH ←

④ Convergence Setting Mode

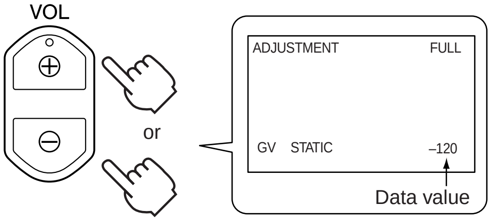
Start **1st FAC**


ENTER
Screen mode
ADJUSTMENT
FULL
GV STATIC
–120
–128~127
Adjustment item
Data value
Variety
Telop : White

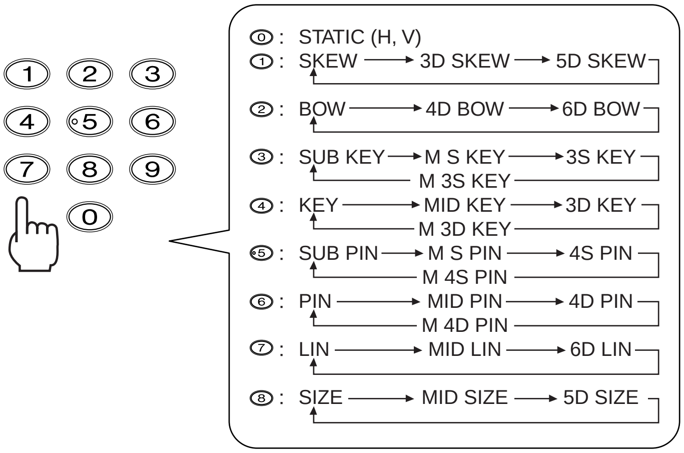
<Variety section>


CH
or
Cyclically
GV (Green, vertical)
RH (Red, horizontal)
GH (Green, horizontal)
RV (Red, vertical)
BV (Blue, vertical)
BH (Blue, horizontal)

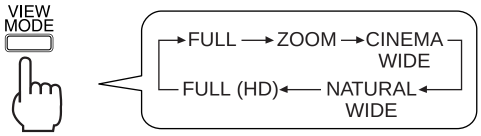
<Data value section>


VOL
or
ADJUSTMENT
FULL
GV STATIC
–120
Data value

<Adjustment item section>


⓪ : STATIC (H, V)
① : SKEW → 3D SKEW → 5D SKEW
② : BOW → 4D BOW → 6D BOW
③ : SUB KEY → M S KEY → 3S KEY → M 3S KEY
④ : KEY → MID KEY → 3D KEY → M 3D KEY
⑤ : SUB PIN → M S PIN → 4S PIN → M 4S PIN
⑥ : PIN → MID PIN → 4D PIN → M 4D PIN
⑦ : LIN → MID LIN → 6D LIN
⑧ : SIZE → MID SIZE → 5D SIZE

<View mode>



FULL → ZOOM → CINEMA WIDE → NATURAL WIDE → FULL (HD) → FULL

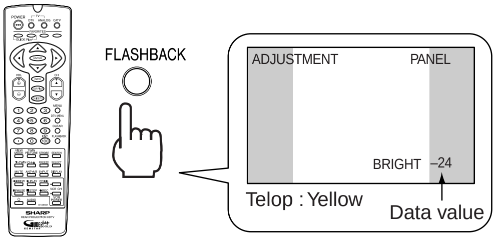
<CRT control>

SEARCH : Red ON/OFF
SELECT : Green ON/OFF
FREEZE : Blue ON/OFF

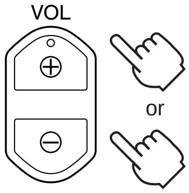
⑤ Panel Adjustment Mode

Start **1st FAC**

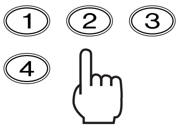
- Mode for adjusting the brightness, width, and position of the gray part (panel) of the 4:3 normal screen.


FLASHBACK
ADJUSTMENT
PANEL
BRIGHT –24
Telop : Yellow
Data value

<Data value section>



<Adjustment item section>



① : BRIGHT (–64 to 63)

② : CONTRAST (–64 to 63)

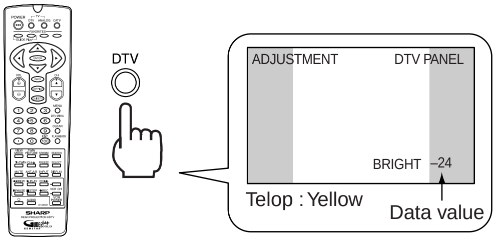
③ : WIDTH (–128 to 127)

④ : POSITION (–128 to 127)

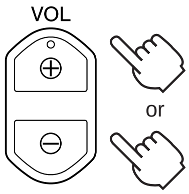
⑥ DTV Panel Adjustment Mode

Start **1st FAC**

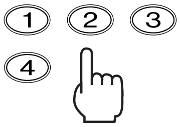
- Mode for adjusting the brightness, width, and position of the gray part (panel) of the 4:3 normal screen of the DTV tuner.


DTV
ADJUSTMENT
DTV PANEL
BRIGHT –24
Telop : Yellow
Data value

<Data value section>



<Adjustment item section>



① : BRIGHT (–64 to 63)

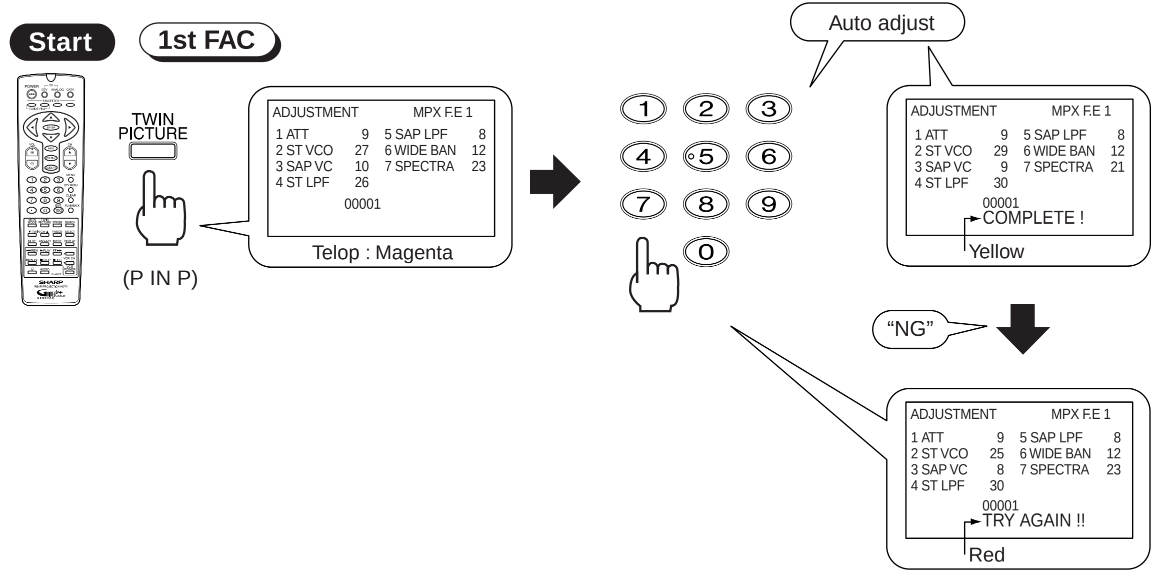
② : CONTRAST (–64 to 63)

③ : WIDTH (–128 to 127)

④ : POSITION (–128 to 127)

7 Adjustment MPX Mode

For adjusting the TV tuner MPX decoder section

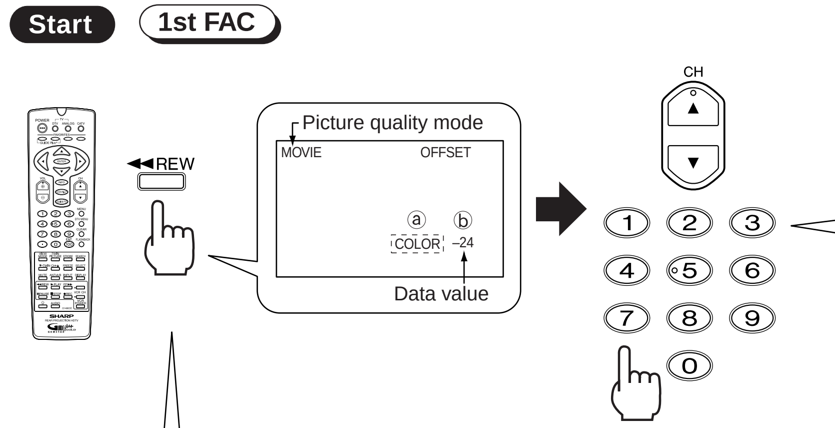

Start
1st FAC
TWIN PICTURE
(P IN P)
Telop : Magenta
Auto adjust
Yellow
"NG"
Red

```
ADJUSTMENT            MPX F.E 1
1 ATT        9   5 SAP LPF     8
2 ST VCO    27   6 WIDE BAN   12
3 SAP VC    10   7 SPECTRA    23
4 ST LPF    26
            00001
```

```
ADJUSTMENT            MPX F.E 1
1 ATT        9   5 SAP LPF     8
2 ST VCO    29   6 WIDE BAN   12
3 SAP VC     9   7 SPECTRA    21
4 ST LPF    30
        00001
        COMPLETE !
```

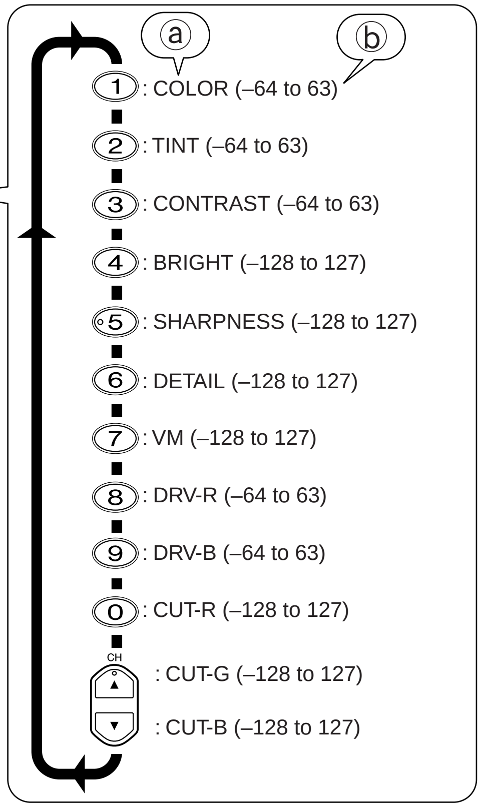
```
ADJUSTMENT            MPX F.E 1
1 ATT        9   5 SAP LPF     8
2 ST VCO    25   6 WIDE BAN   12
3 SAP VC     8   7 SPECTRA    23
4 ST LPF    30
        00001
        TRY AGAIN !!
```

8 Others OFFSET Mode


Start
1st FAC
◄◄REW
Picture quality mode
Data value
CH

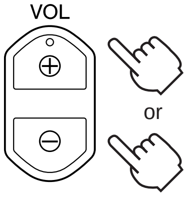
```
MOVIE                OFFSET

              ⓐ      ⓑ
            COLOR   –24
```

<Picture quality>



1 : COLOR (–64 to 63)
2 : TINT (–64 to 63)
3 : CONTRAST (–64 to 63)
4 : BRIGHT (–128 to 127)
5 : SHARPNESS (–128 to 127)
6 : DETAIL (–128 to 127)
7 : VM (–128 to 127)
8 : DRV-R (–64 to 63)
9 : DRV-B (–64 to 63)
0 : CUT-R (–128 to 127)
▲ : CUT-G (–128 to 127)
▼ : CUT-B (–128 to 127)

<Data value section>



OFFSET MODE

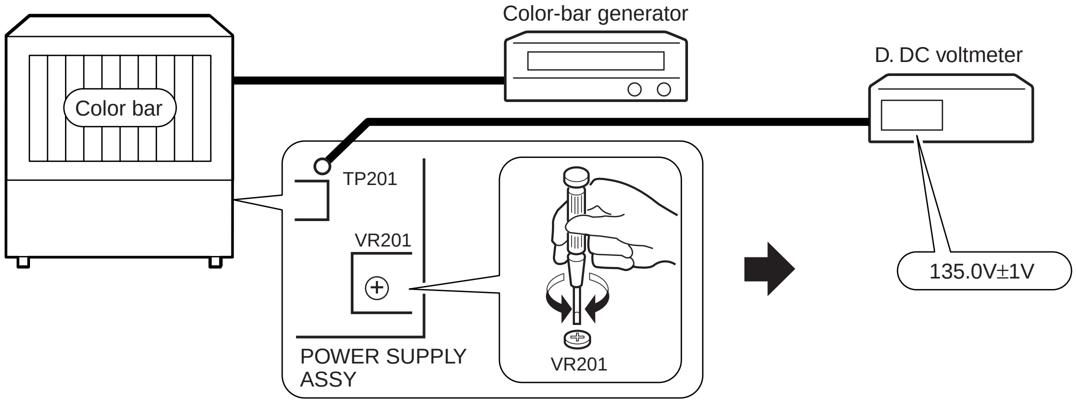
Direct Key	Screen Display	Picture quality mode
◄◄REW (Blue)	MOVIE	MOVIE OFFSET MODE
■STOP (Green)	GAME	GAME OFFSET MODE
►PLAY (Red)	TV	TV OFFSET MODE
INFO	COLOR TEMP (STD)	COLOR TEMP LOW for STD & (GAME) OFFSET MODE
DTV MENU	COLOR TEMP (MOVIE)	COLOR TEMP LOW for MOVIE OFFSET MODE

■ Adjustment

1 Power supply adjustment

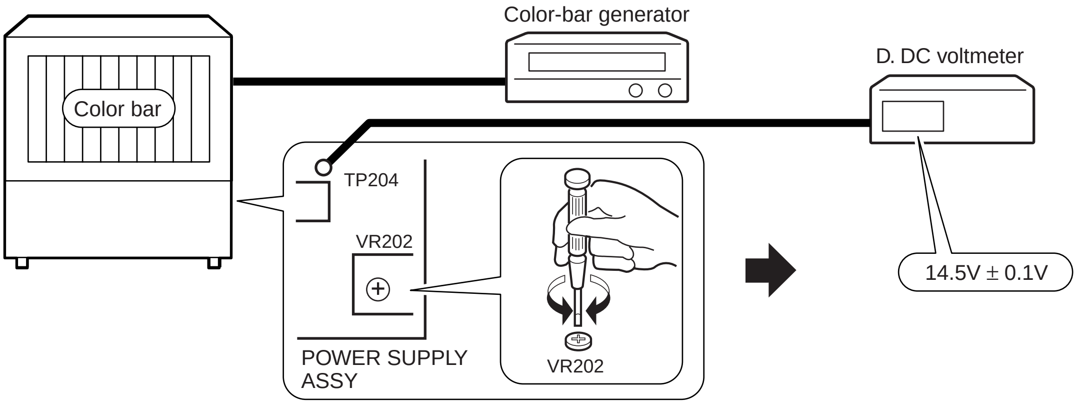
1-1 135V Power supply adjustment

Start


Color-bar generator
D. DC voltmeter
Color bar
TP201
VR201
POWER SUPPLY ASSY
VR201
135.0V±1V

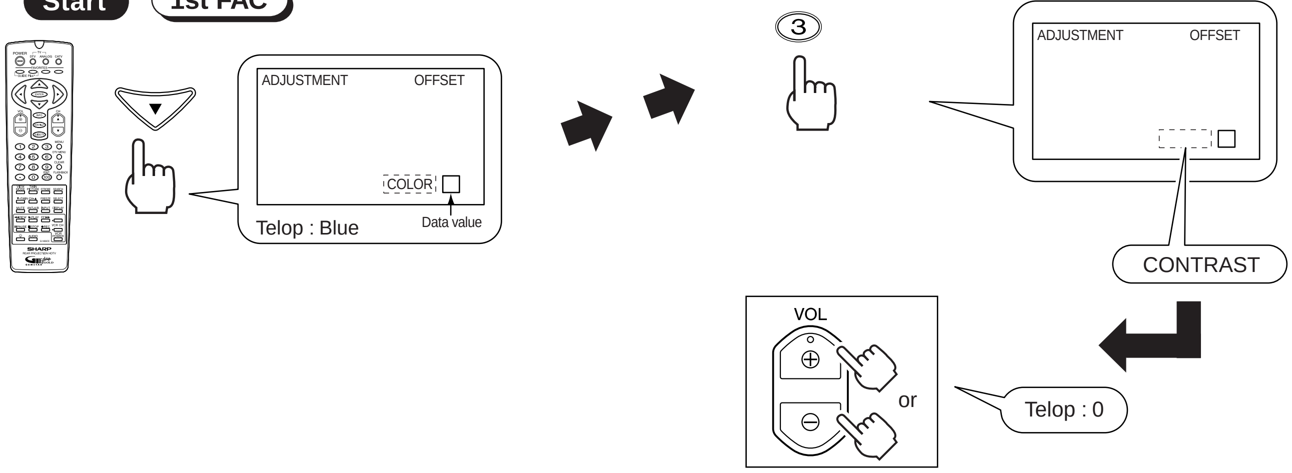
1-2 14.5V Power supply adjustment

Start


Color-bar generator
D. DC voltmeter
Color bar
TP204
VR202
POWER SUPPLY ASSY
VR202
14.5V ± 0.1V

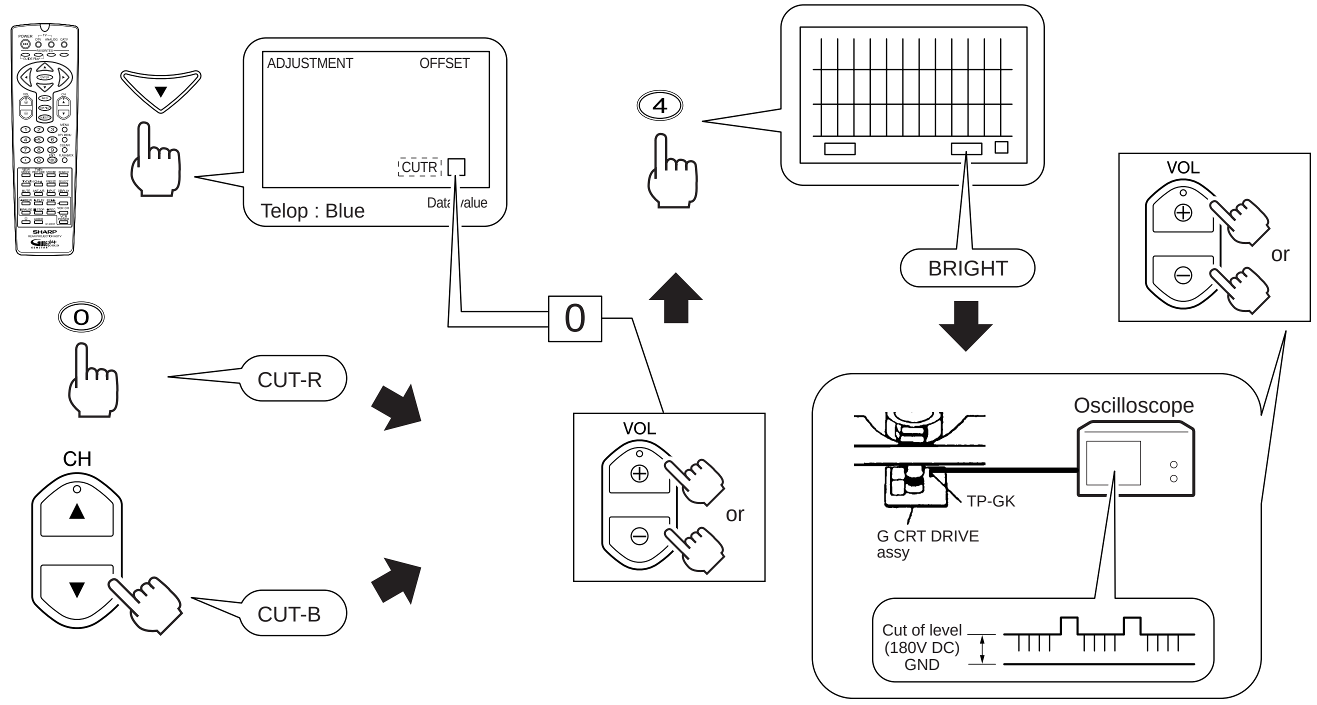
2 Contrast coarse adjustment

Start **1st FAC**


ADJUSTMENT
OFFSET
COLOR
Data value
Telop : Blue
3
ADJUSTMENT
OFFSET
CONTRAST
VOL
or
Telop : 0

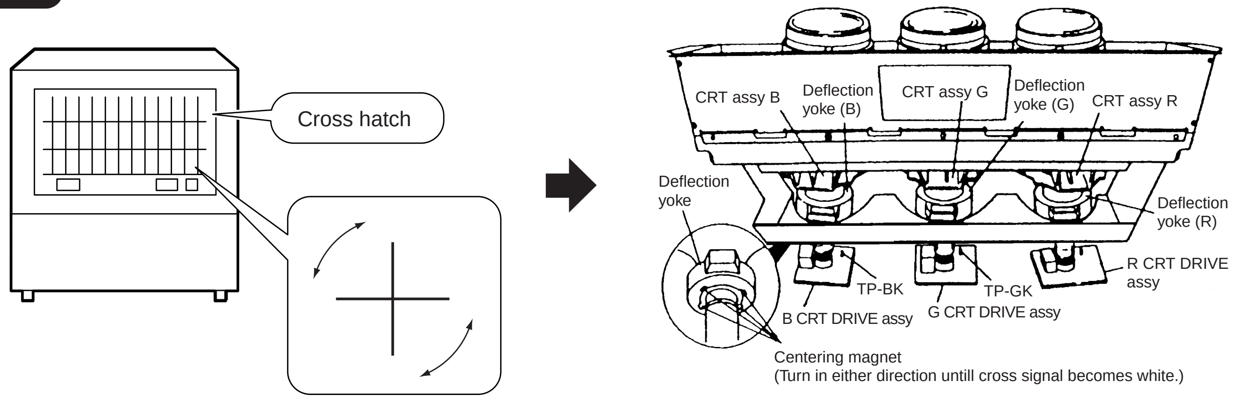
3 Brightness adjustment

Start **1st FAC**


ADJUSTMENT
OFFSET
CUTR
Telop : Blue
Data value
4
0
O
CUT-R
CH
CUT-B
VOL
or
BRIGHT
VOL
or
Oscilloscope
TP-GK
G CRT DRIVE assy
Cut of level (180V DC)
GND

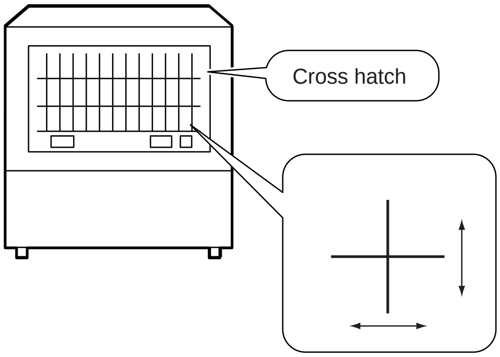
4 Deflection yoke lean adjustment

Start

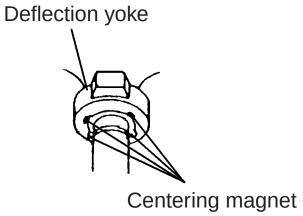

Cross hatch
CRT assy B
Deflection yoke (B)
CRT assy G
Deflection yoke (G)
CRT assy R
Deflection yoke
Deflection yoke (R)
TP-BK
TP-GK
R CRT DRIVE assy
B CRT DRIVE assy
G CRT DRIVE assy
Centering magnet
(Turn in either direction untill cross signal becomes white.)

5 Screen center adjustment

Start


Cross hatch

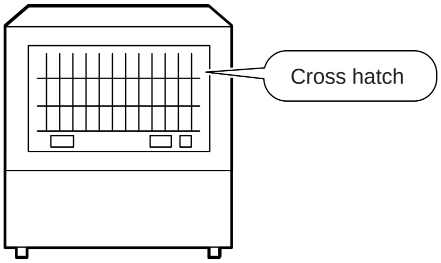
- For Red or Blue adjustment, turn 1st FACTORY ADJ mode ON and then OFF to place the convergence POSITION at the center of the adjustable range.
- Move the centering magnet of the deflection yoke for the replaced color so that the horizontal and vertical lines at the center of the screen align with the lines for a color not replaced.

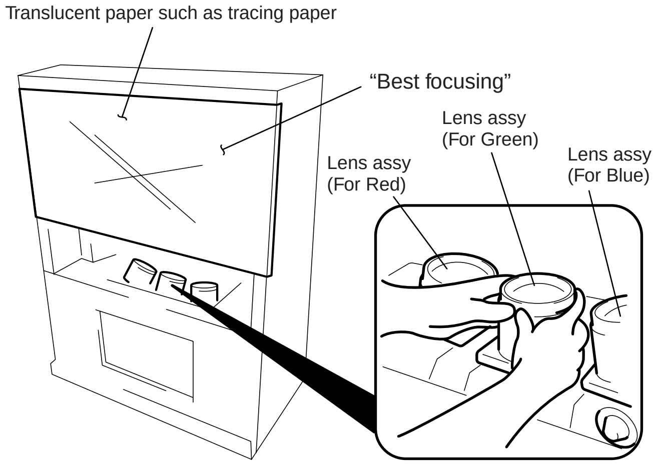

Deflection yoke
Centering magnet

(Turn in either direction until cross signal becomes white.)

6 Focus adjustment of lens assy

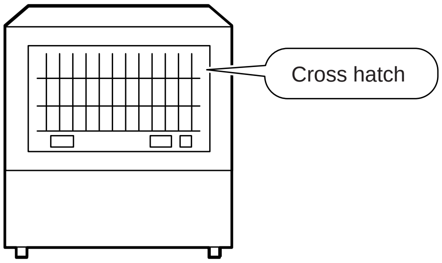
Start


Cross hatch

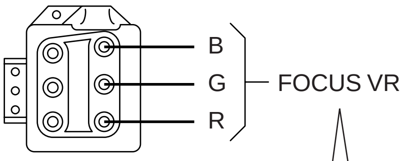

Translucent paper such as tracing paper
"Best focusing"
Lens assy (For Green)
Lens assy (For Red)
Lens assy (For Blue)

7 Focus VR adjustment

Start


Cross hatch

FOCUS VR (VR1)

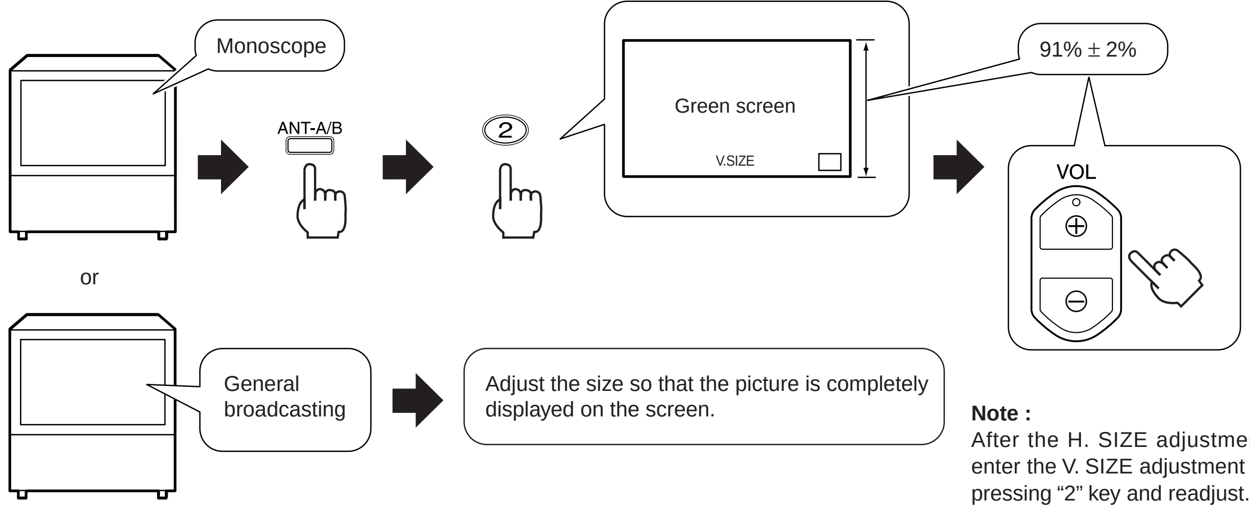

B
G
R
FOCUS VR

Turn the focus VR for best focusing.

8 Vertical size adjustment

Start **1st FAC**

Note :
After the V. SIZE adjustment, enter the H. SIZE adjustment by pressing “1” key and readjust.
Screen mode : FULL


Monoscope
ANT-A/B
2
Green screen
V.SIZE
91% ± 2%
VOL
or
General broadcasting

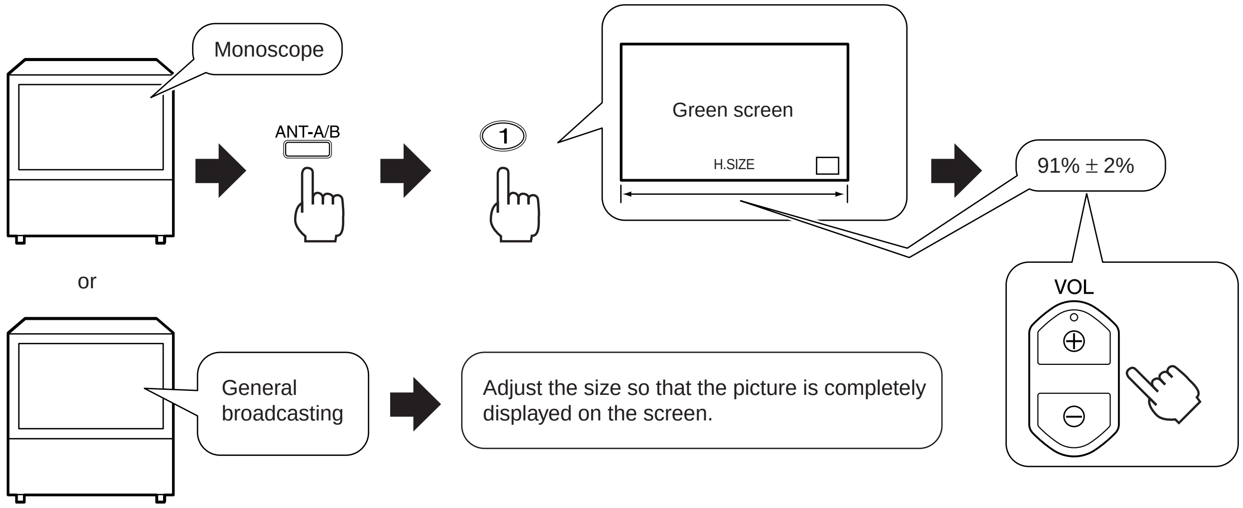
Adjust the size so that the picture is completely displayed on the screen.

Note :
After the H. SIZE adjustment, enter the V. SIZE adjustment by pressing “2” key and readjust.

9 Horizontal size adjustment

Start **1st FAC**

Note :
Screen mode : FULL


Monoscope
ANT-A/B
1
Green screen
H.SIZE
91% ± 2%
or
VOL
General broadcasting

Adjust the size so that the picture is completely displayed on the screen.

⑩ Convergence adjustment

⑩-1 Green line adjustment (1st FAC)

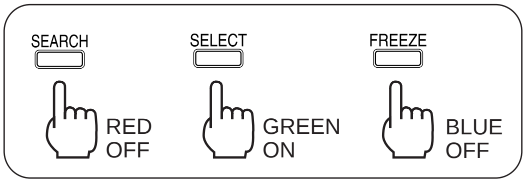
- Adjustment in the horizontal direction

Start

Note :
The convergence for this device must be adjusted for each screen size STRETCH (NTSC, 4:3 NORMAL), CINEMA ZOOM (NTSC), ZOOM (NTSC), SMART STRETCH (NTSC), STRETCH (HD) (33.75 kHz, DTV).

● Horizontal correction adjustment of the green line

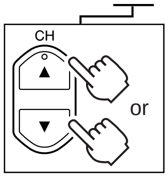
- See ④ Convergence Setting Mode in the Factory ADJ mode.
- Input cross-hatch signals to this device's video input terminal.
- The green line serves as the reference line in the adjustment of red and blue. Perform this accurately.
  Adjust the convergence of the green line using only green.



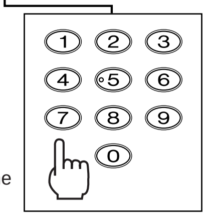
Green only

• Select the Adjustment item

GH - STATIC

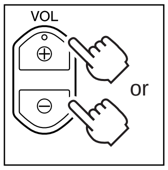


or



In particular, be aware of the setting before adjustment.

• Adjust the Data value

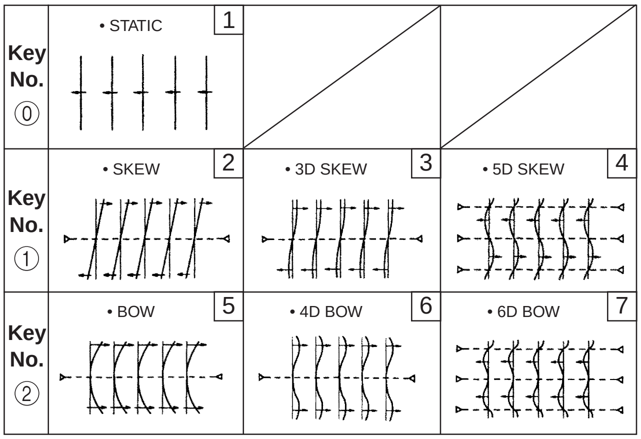


or

Note :
- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of H-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

Adjustment Items			Screen No.	Adjustment Method
Center-line Adjustment	1	GH-STATIC	1	• Adjust the center vertical line to the screen center position.
	2	GH-SKEW	2	• Adjust so that the green vertical line at the center becomes a straight line with neither distortion nor tilting.
	3	GH-BOW	5	
	4	(GH-3D SKEW)	3	**Note:** Do not adjust items 4 to 7.
	5	(GH-4D BOW)	6	
	6	(GH-5D SKEW)	4	
	7	(GH-6D BOW)	7	
Line-interval Adjustment	1	GH-SIZE	8	• Adjust so that the intervals of the green vertical lines in the right and left sections of the screen are symmetrical and correct.
	2	GH-MID SIZE	9	
	3	GH-LIN	11	
	4	GH-MID LIN	12	
	5	(GH-5D SIZE)	10	**Note:** Do not adjust items 5 and 6.
	6	(GH-6D LIN)	13	

■ Screen



● Screen's changes in the horizontal direction when manual convergence adjustment is mode
The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

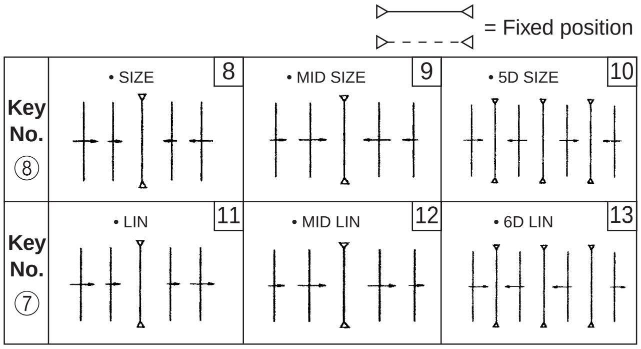
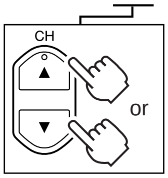


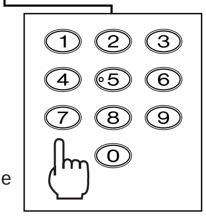
Fig. 1. Horizontal correction (1)

Horizontal correction adjustment of the green line

• Select the Adjustment item

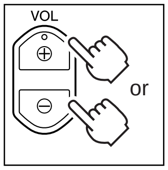
GH - SUB PIN




1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value

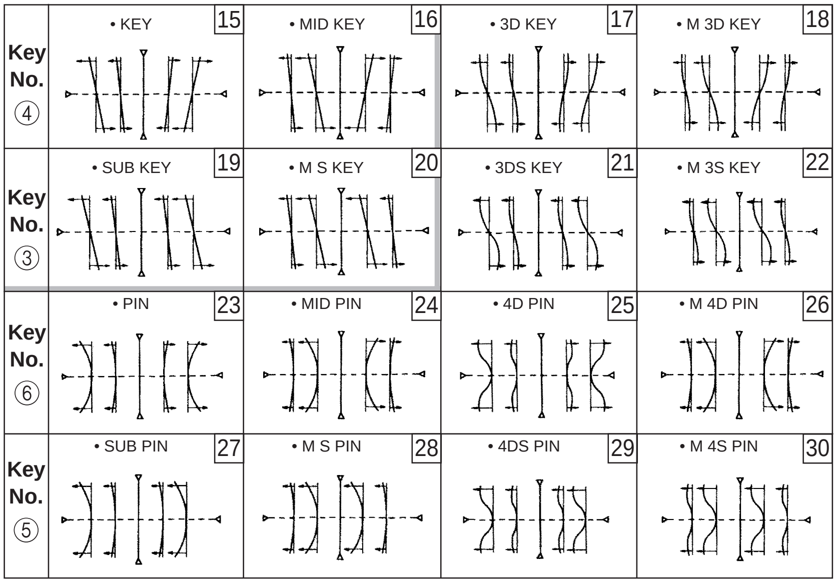


Note :
- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of H-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

Adjustment Items			Screen No.	Adjustment Method
Lean Adjustment	1	GHKEY	15	• Adjust so that the vertical green lines on the left and right sides of the screen do not tilt.
	2	GH-MID KEY *1	16	
	3	GH-SUB KEY	19	
	4	GH-M S KEY *1	20	
Distortion Adjustment	1	GH-3D KEY	17	• Adjust so that the vertical green lines on the left and right sides of the screen become straight with no distortion. **Note:** Do not adjust items 2, 4, 10 and 12.
	2	(GH-M 3D KEY) *1	18	
	3	GH-3DS KEY	21	
	4	(GH-M 3S KEY) *1	22	
	5	GH-PIN	23	
	6	GH-MID PIN *1	24	
	7	GH-SUB PIN	27	
	8	GH-M S PIN *1	28	
	9	GH-4D PIN	25	
	10	(GH-M 4D PIN) *1	26	
	11	GH-4DS PIN	29	
	12	(GH-M 4S PIN) *1	30	

*1 : Adjust taking note of the green vertical lines at 1/4 of the left and right sides of the screen.

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

- **Screen's changes in the horizontal direction when manual convergence adjustment is mode**
  The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

▷——◁
▷- - - -◁ = Fixed position

Fig. 2. Horizontal correction (2)

⑩-2 Green line adjustment 1st FAC

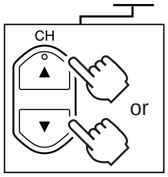
- Adjustment in the vertical direction

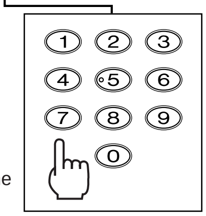
Start

● Vertical correction adjustment of the green line

• Select the Adjustment item

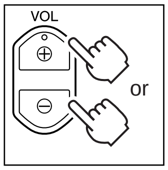
GV - STATIC




1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value

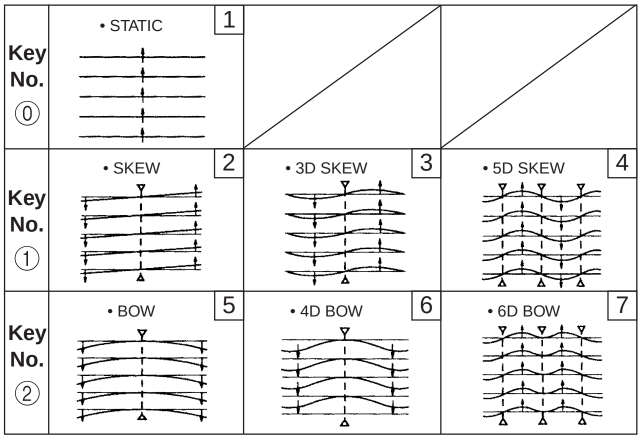


Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

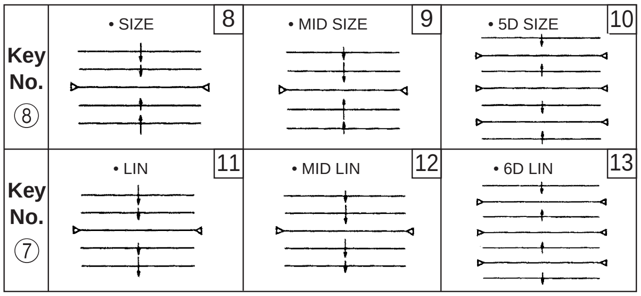
		Adjustment Items	Screen No.	Adjustment Method
Center-line Adjustment	1	GV-STATIC	1	• Adjust the center horizontal line to the center of the screen.
	2	GV-SKEW	2	• Adjust so that the green vertical line at the center becomes a straight line with neither distortion nor tilting.
	3	GV-BOW	5	
	4	(GV-3D SKEW)	3	
	5	(GV-4D BOW)	6	
	6	(GV-5D SKEW)	4	**Note:** Do not adjust items 6 and 7.
	7	(GV-6D BOW)	7	
Line-interval Adjustment	1	GV-SIZE	8	• Adjust so that the intervals of the green horizontal lines at the top and bottom of the screen are symmetrical and correct.
	2	GV-LIN	11	
	3	GV-MID SIZE	9	
	4	GV-MID LIN	12	
	5	(GV-5D SIZE)	10	**Note:** Do not adjust items 5 and 6.
	6	(GV-6D LIN)	13	

■ Screen


Key No. ⓪
• STATIC
1
Key No. ①
• SKEW
2
• 3D SKEW
3
• 5D SKEW
4
Key No. ②
• BOW
5
• 4D BOW
6
• 6D BOW
7

● Screen's changes in the vertical direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.


Key No. ⑧
• SIZE
8
• MID SIZE
9
• 5D SIZE
10
Key No. ⑦
• LIN
11
• MID LIN
12
• 6D LIN
13

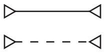
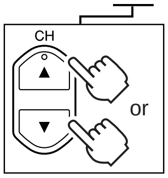

= Fixed position

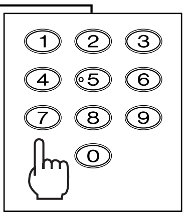
Fig. 3. Vertical correction (1)

• Vertical correction adjustment of the green line

• Select the Adjustment item

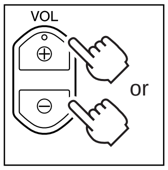
GV - SUB PIN




1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value



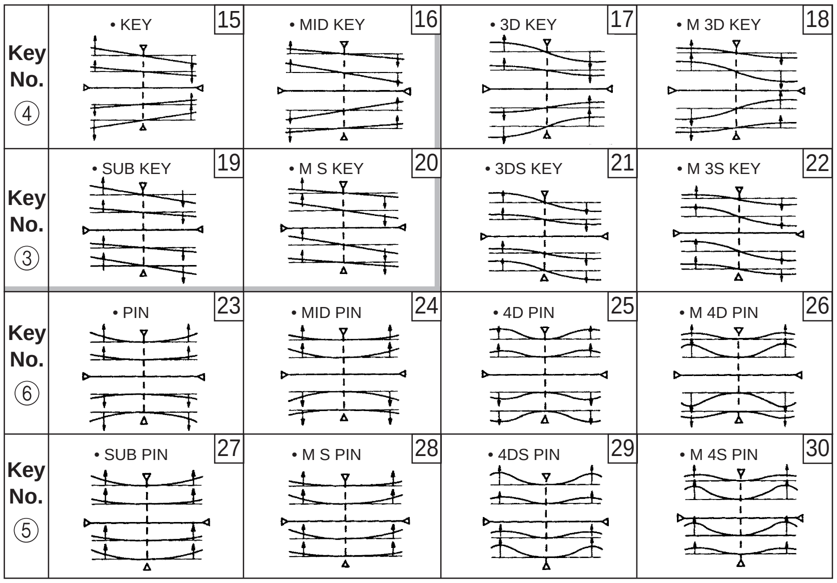
Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

Adjustment Items			Screen No.	Adjustment Method
Lean Adjustment	1	GV-KEY	15	• Adjust so that the green horizontal lines at the top and bottom of the screen do not tilt.
	2	GV-MID KEY *2	16	
	3	GV-SUB KEY	19	
	4	GV-M S KEY *2	20	
Distortion Adjustment	1	GV-3D KEY	17	• Adjust so that the green horizontal lines at the top and bottom of the screen become straight with no distortion.
	2	(GV-M 3D KEY) *2	18	
	3	GV-3DS KEY	21	
	4	(GV-M 3S KEY) *2	22	
	5	GV-PIN	23	
	6	GV-MID PIN *2	24	
	7	GV-4D PIN	25	
	8	(GV-M 4D PIN) *2	26	
	9	GV-SUB PIN	27	
	10	GV-M S PIN *2	28	
	11	GV-4DS PIN	29	
	12	(GV-M 4S PIN) *2	30	**Note:** Do not adjust items 2, 4, 8 and 12.

*2 : Adjust taking note of the green horizontal lines at 1/4 of the left and right sides of the screen.

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

• Screen's changes in the vertical direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

▷——◁
▷- - - -◁ = Fixed position

Fig. 4. Vartical correction (2)

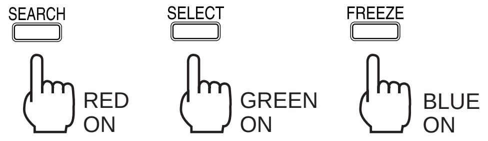
⑩ -3 Red line adjustment 1st FAC

• Adjustment in the horizontal direction

Start

● Horizontal correction adjustment of the red line

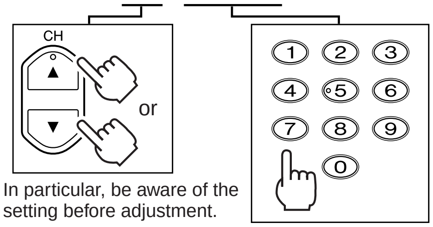
- See ④ Convergence Setting Mode in the Factory ADJ mode.
- Input cross-hatch signals to this device's video input terminal.
- Adjust the convergence of the red line using the green and red lines.


SEARCH
SELECT
FREEZE
RED ON
GREEN ON
BLUE ON

RED + GREEN

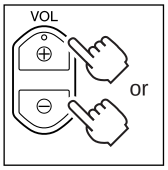
• Select the Adjustment item

RH - STATIC


CH
▲
▼
or
1
2
3
4
5
6
7
8
9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value

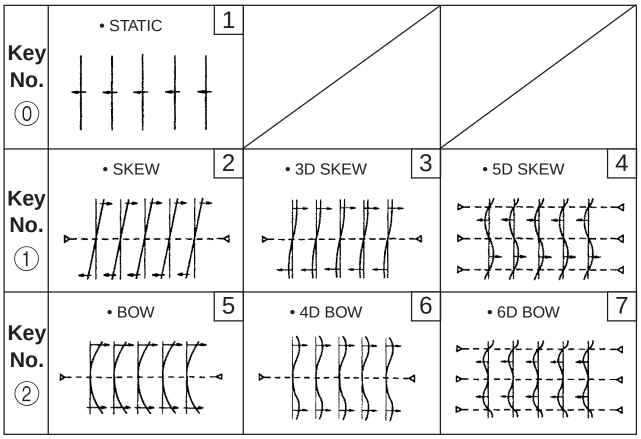


Note :

- Overlap the green line with the red line, so that the line becomes yellow.
- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment is of H-STATICnot possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

Adjustment Item			Screen No.	Adjustment Method
Center-line Adjustment	1	RH-STATIC	1	• Adjust the red center to match the green center.
	2	RH-SKEW	2	• Overlap the red vertical line at the center with the green vertical line.
	3	RH-BOW	5	
	4	(RH-3D SKEW)	3	
	5	(RH-4D BOW)	6	
	6	(RH-5D SKEW)	4	**Note:** Do not adjust items 6 and 7.
	7	(RH-6D BOW)	7	
Line-interval Adjustment	1	RH-SIZE	8	• Adjust the interval at the center of the red vertical line to the interval of the green vertical line.
	2	RH-LIN	11	
	3	RH-MID SIZE	9	
	4	RH-MID LIN	12	
	5	(RH-5D SIZE)	10	**Note:** Do not adjust items 5 and 6.
	6	(RH-6D LIN)	13	

■ Screen


Key No. ⓪
• STATIC
1
Key No. ①
• SKEW
2
• 3D SKEW
3
• 5D SKEW
4
Key No. ②
• BOW
5
• 4D BOW
6
• 6D BOW
7

● Screen's changes in the horizontal direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

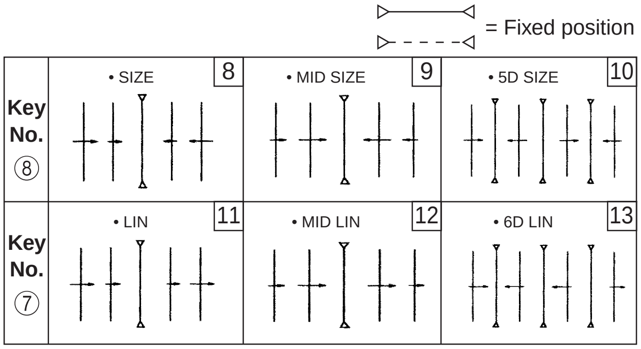
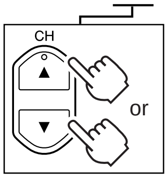

= Fixed position
Key No. ⑧
• SIZE
8
• MID SIZE
9
• 5D SIZE
10
Key No. ⑦
• LIN
11
• MID LIN
12
• 6D LIN
13

Fig. 5. Horizontal correction (1)

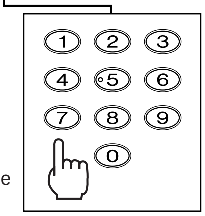
• Horizontal correction adjustment of the red line

• Select the Adjustment item

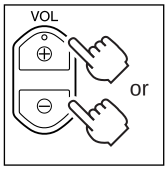
RH - SUB PIN



In particular, be aware of the setting before adjustment.


1 2 3
4 5 6
7 8 9
0

• Adjust the Data value



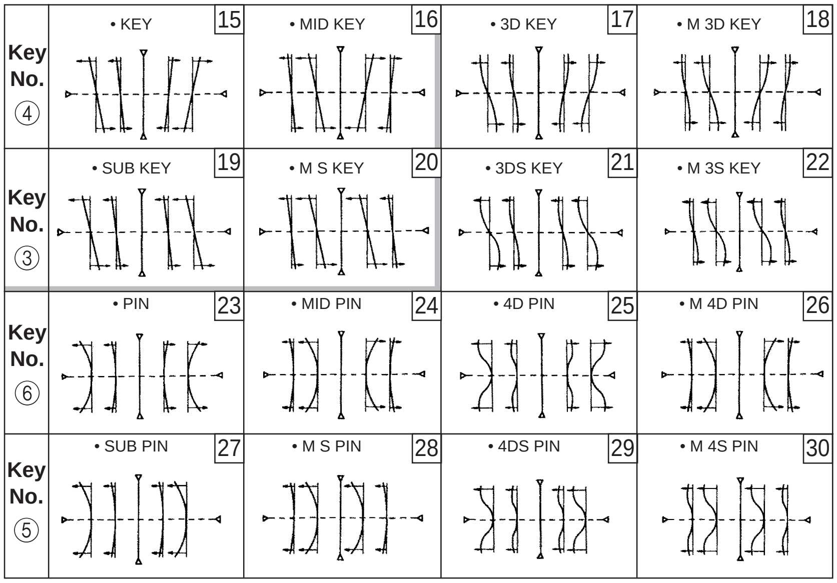
Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of H-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

		Adjustment Item	Screen No.	Adjustment Method
Lean Adjustment	1	RH-KEY	15	• Adjust so that the red vertical lines at the top and bottom of the screen do not tilt.
	2	RH-MID KEY *3	16	
	3	RH-SUB KEY	19	
	4	RH-M S KEY *3	20	
Distortion Adjustment	1	RH-3D KEY	17	• Adjust so that the red vertical line at the top and bottom of the screen overlap with the green vertical lines, and becomes a straight line with no distortion. **Note:** Do not adjust items 2, 4, 8 and 11.
	2	(RH-M 3D KEY) *3	18	
	3	RH-3DS KEY	21	
	4	(RH-M 3S KEY) *3	22	
	5	RH-PIN	23	
	6	RH-MID PIN *3	24	
	7	RH-4D PIN	25	
	8	(RH-M 4D PIN) *3	26	
	9	RH-SUB PIN	27	
	10	RH-M S PIN *3	28	
	11	(RH-4DS PIN) *3	29	
	12	RH-M 4S PIN	30	

*3 : Adjust taking note of the red horizontal lines at 1/4 of the left and right sides of the screen.

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

- **Screen's changes in the horizontal direction when manual convergence adjustment is mode**
  The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

▷——◁
▷- - - -◁ = Fixed position

Fig. 6. Horizontal correction (2)

⑩-4 Red line adjustment 1st FAC

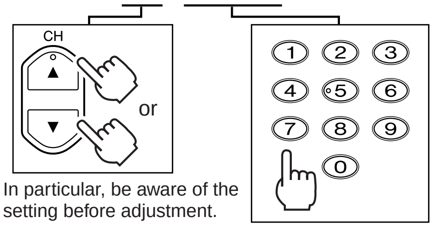
- Adjustment in the vertical direction

Start

● Vertical correction adjustment of the red line

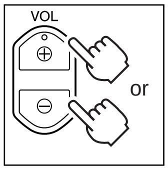
• Select the Adjustment item

RV - STATIC


CH
▲
▼
or
1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value

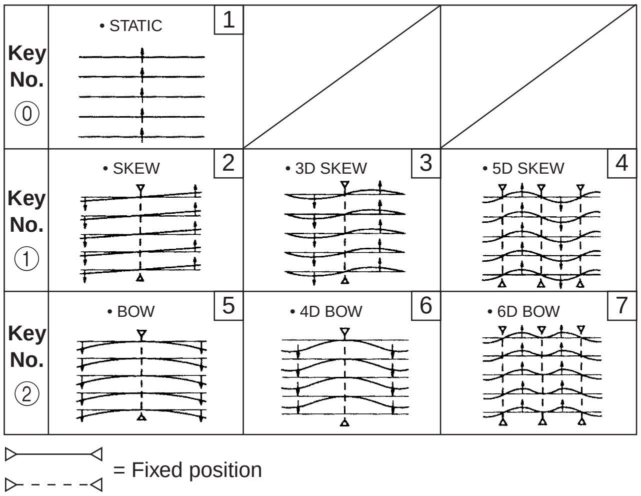


Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

		Adjustment Item	Screen No.	Adjustment Method
Center-line Adjustment	1	RV-STATIC	1	• Adjust the red center to match the green center.
	2	RV-SKEW	2	• Adjust so that the red horizontal line at the center overlaps with the green horizontal line.
	3	RV-BOW	5	
	4	RV-3D SKEW	3	
	5	RV-4D BOW	6	
	6	(RV-5D SKEW)	4	**Note:** Do not adjust items 6 to 7.
	7	(RV-6D BOW)	7	
Line-interval Adjustment	1	RV-SIZE	8	• Adjust the interval at the center of the red vertical line to the interval of the green vertical line.
	2	RV-LIN	11	
	3	RV-MID SIZE	9	
	4	RV-MID LIN	12	
	5	(RV-5D SKEW)	10	**Note:** Do not adjust items 5 and 6.
	6	(RV-6D LIN)	13	

■ Screen


Key No. ⓪
• STATIC 1
Key No. ①
• SKEW 2
• 3D SKEW 3
• 5D SKEW 4
Key No. ②
• BOW 5
• 4D BOW 6
• 6D BOW 7

= Fixed position

● Screen's changes in the vertical direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

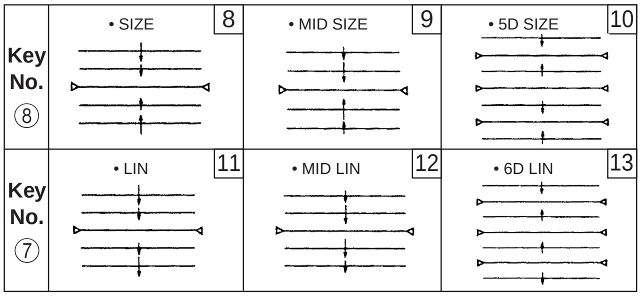
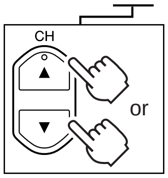

Key No. ⑧
• SIZE 8
• MID SIZE 9
• 5D SIZE 10
Key No. ⑦
• LIN 11
• MID LIN 12
• 6D LIN 13

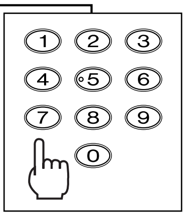
Fig. 7. Vertical correction (1)

• Vertical correction adjustment of the red line

• Select the Adjustment item

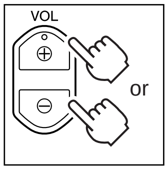
RV - SUB PIN




1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value



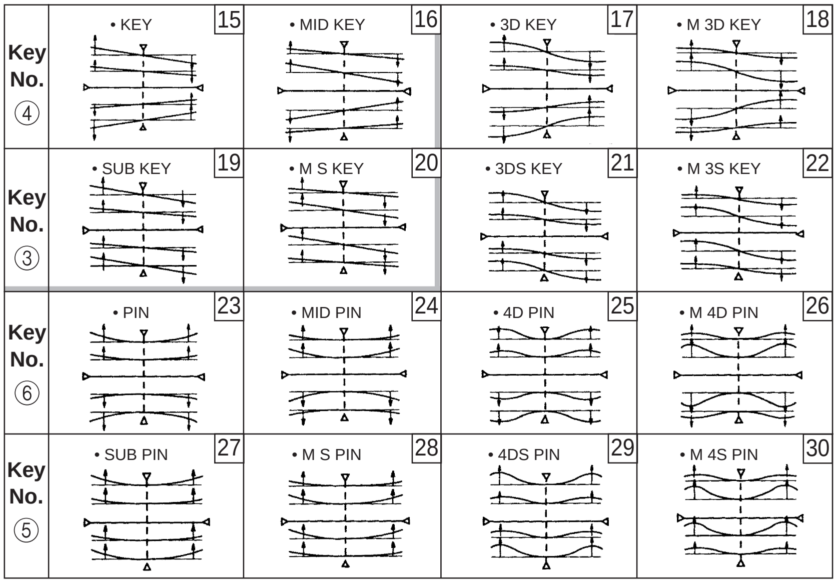
Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

Adjustment Item			Screen No.	Adjustment Method
Lean Adjustment	1	RV-KEY	15	• Adjust so that the red horizontal lines at the left and right of the screen do not tilt.
	2	RV-MID KEY *4	16	
	3	RV-SUB KEY	19	
	4	RV-M S KEY *4	20	
Distortion Adjustment	1	RV-3D KEY	17	• Adjust so that the red horizontal lines at the left and right of the screen overlap with the green horizontal lines, and become a straight line with no distortion. **Note:** Do not adjust items 2, 4, 8 and 12.
	2	(RV-M 3D KEY) *4	18	
	3	RV-3DS KEY	21	
	4	(RV-M 3S KEY) *4	22	
	5	RV-PIN	23	
	6	RV-MID PIN *4	24	
	7	RV-4D PIN	25	
	8	(RV-M 4D PIN) *4	26	
	9	RV-SUB PIN	27	
	10	RV-M S PIN *4	28	
	11	RV-4DS PIN	29	
	12	(RV-M 4S PIN) *4	30	

*4 : Adjust taking note of the red horizontal lines at 1/4 of the left and right sides of the screen.

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

• Screen's changes in the vertical direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

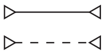

= Fixed position

Fig. 8. Vartical correction (2)

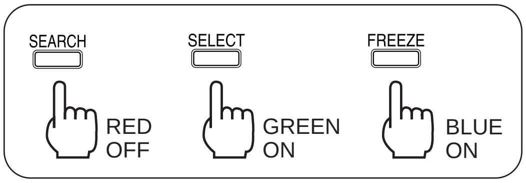
⑩-5 Blue line adjustment **1st FAC**

- Adjustment in the horizontal direction

Start

● Horizontal correction adjustment of the blue line

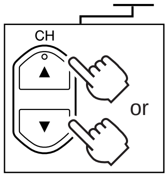
- See ④ Convergence Setting Mode in the Factory ADJ mode.
- Input cross-hatch signals to this device's video input terminal.

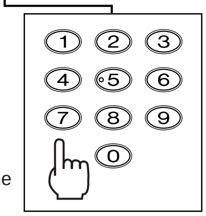

SEARCH
SELECT
FREEZE
RED OFF
GREEN ON
BLUE ON

GREEN + BLUE

• Select the Adjustment item

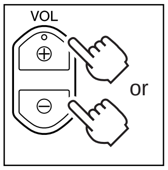
BH - STATIC




1
2
3
4
5
6
7
8
9
0

In particular, be aware of the setting before adjustment.

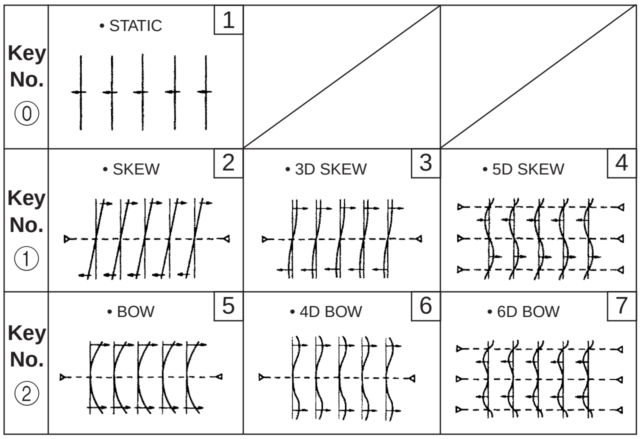
• Adjust the Data value



Note :
- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of H-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

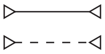
Adjustment Item			Screen No.	Adjustment Method
Center-line Adjustment	1	BH-STATIC	1	• Adjust the blue center to match the green center.
	2	BH-SKEW	2	• Overlap the blue vertical line at the center with the green vertical line.
	3	BH-BOW	5	
	4	BH-3D SKEW	3	
	1	BH-4D BOW	6	
	6	BH-5D SKEW	4	**Note:** Do not adjust items 6 and 7.
	7	BH-6D BOW	7	
Line-interval Adjustment	1	BH-SIZE	8	• Adjust the interval at the center of the blue vertical line to the interval of the green vertical line.
	2	BH-LIN	11	
	3	BH-MID SIZE	9	
	4	BH-MID LIN	12	
	5	(BH-5D SIZE)	10	**Note:** Do not adjust items 5 and 6.
	6	(BH-6D LIN)	13	

■ Screen


Key No. ⓪
• STATIC
1
Key No. ①
• SKEW
2
• 3D SKEW
3
• 5D SKEW
4
Key No. ②
• BOW
5
• 4D BOW
6
• 6D BOW
7

● Screen's changes in the horizontal direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.



= Fixed position

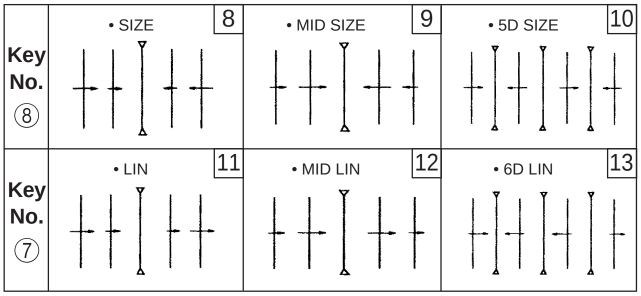
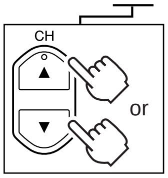

Key No. ⑧
• SIZE
8
• MID SIZE
9
• 5D SIZE
10
Key No. ⑦
• LIN
11
• MID LIN
12
• 6D LIN
13

Fig. 9. Horizontal correction (1)

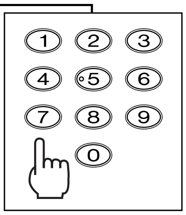
● Horizontal correction and adjustment of blue line

• Select the Adjustment item

BH - SUB PIN

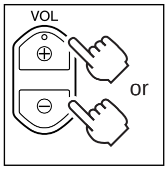


or


1
2
3
4
5
6
7
8
9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value



or

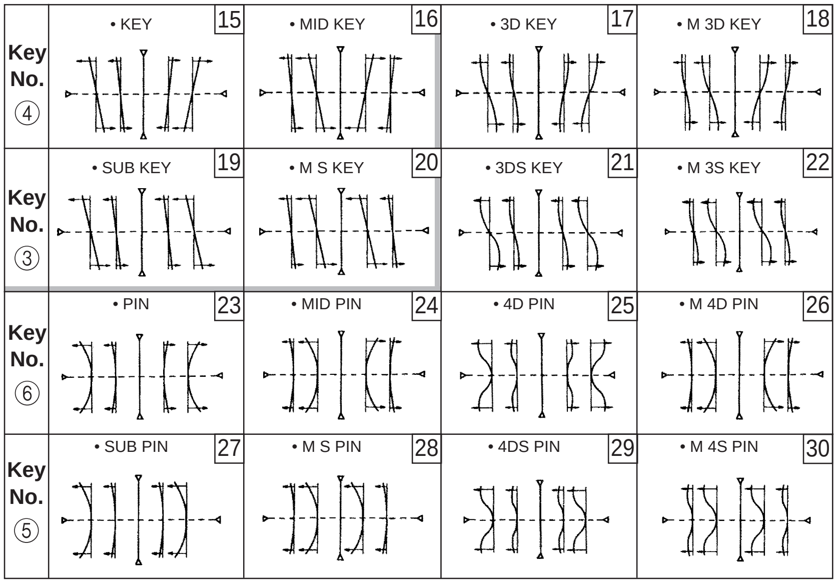
Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of H-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust H-STATIC.

Adjustment Item			Screen No.	Adjustment Method
Lean Adjustment	1	BH-KEY	15	• Adjust so that the blue vertical lines at the top and bottom of the screen do not tilt.
	2	BH-MID KEY *5	16	
	3	BH-SUB KEY	19	
	4	BH-M S KEY *5	20	
Distortion Adjustment	1	BH-3D KEY	17	• Adjust so that the blue vertical lines at the top and bottom of the screen overlap with the green vertical lines, and become a straight line with no distortion.
	2	(BH-M 3D KEY) *5	18	
	3	BH-3DS KEY	21	
	4	(BH-M 3S KEY) *5	22	
	5	BH-PIN	23	
	6	BH-MID PIN *5	24	
	7	BH-4D PIN	25	
	8	(BH-M 4D PIN) *5	26	
	9	BH-SUB PIN	27	
	10	BH-M S PIN *5	28	
	11	BH-4DS PIN	29	
	12	(BH-M 4S PIN) *5	30	Note:Do not adjust items 2, 4, 8 and 12.

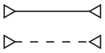
*5 : Adjust taking note of the blue vertical lines at 1/4 of the left and right sides of the screen.

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

● Screen's changes in the horizontal direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.



= Fixed position

Fig. 10. Horizontal correction (2)

10-6 Blue line adjustment (1st FAC)

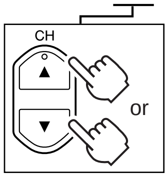
- Adjustment in the vertical direction

Start

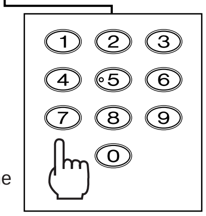
● Vertical correction adjustment of the blue line

• Select the Adjustment item

BV - STATIC

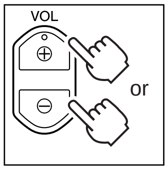


or


1 2 3
4 5 6
7 8 9
0

In particular, be aware of the setting before adjustment.

• Adjust the Data value



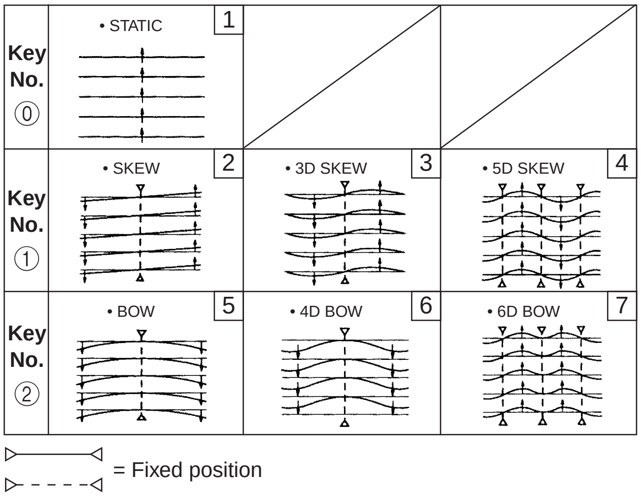
or

Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STATIC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

Adjustment Item			Screen No.	Adjustment Method
Center-line Adjustment	1	BV-STATIC	1	• Adjust the blue center to match the green center.
	2	BV-SKEW	2	• Adjust so that the blue horizontal line at the center overlaps with the green horizontal line.
	3	BV-BOW	5	
	4	BV-3D SKEW	3	
	5	BV-4D BOW	6	
	6	BV-5D SKEW	4	
	7	BV-6D BOW	7	
Line-interval Adjustment	1	BV-SIZE	8	• Adjust the interval at the center of the blue horizontal line to the interval of the green horizontal line.
	2	BV-LIN	11	
	3	BV-MID SIZE	9	
	4	BV-MID LIN	12	
	5	(BV-5D SIZE)	10	**Note:** Do not adjust items 5 and 6.
	6	(BV-6D LIN)	13	

■ Screen


Key No. ⓪
• STATIC
1
Key No. ①
• SKEW
2
• 3D SKEW
3
• 5D SKEW
4
Key No. ②
• BOW
5
• 4D BOW
6
• 6D BOW
7
= Fixed position

● Screen's changes in the vertical direction when manual convergence adjustment is mode

The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

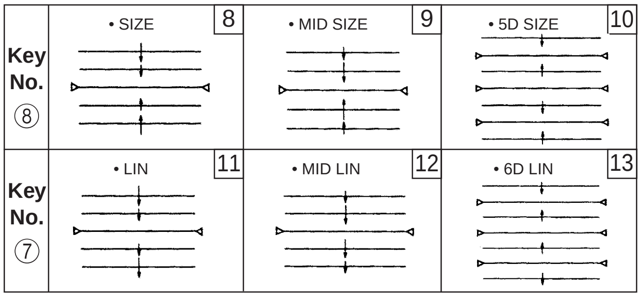
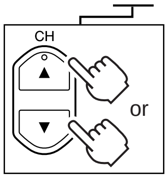

Key No. ⑧
• SIZE
8
• MID SIZE
9
• 5D SIZE
10
Key No. ⑦
• LIN
11
• MID LIN
12
• 6D LIN
13

Fig. 11. Vertical correction (1)

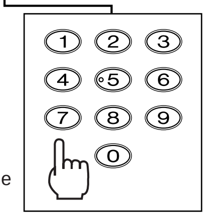
● Vertical correction adjustment of the blue line

• Select the Adjustment item

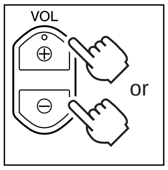
BV - SUB PIN



In particular, be aware of the setting before adjustment.


1 2 3
4 5 6
7 8 9
0

• Adjust the Data value



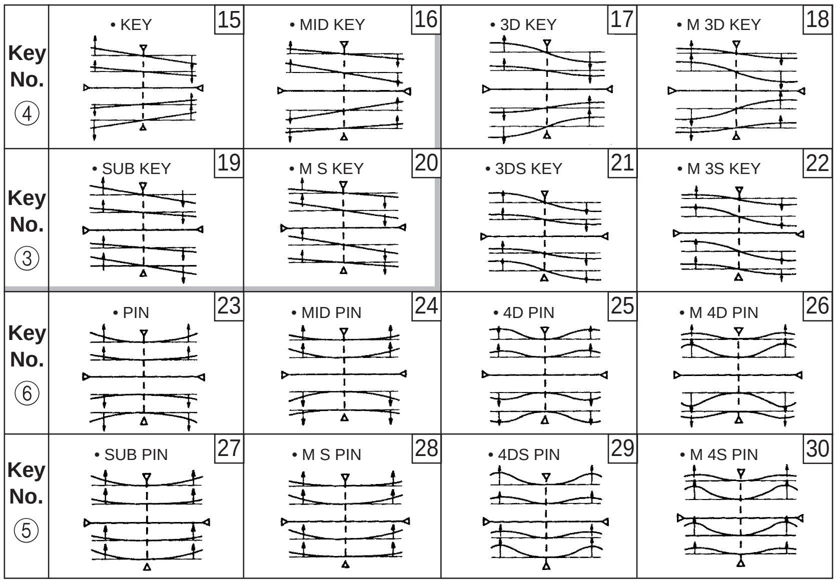
Note :

- Repeat the adjustments until you attain the optimum state.
- Fine-adjust over the entire picture to obtain the optimum picture.
- If the adjustment of V-STAC is not possible within the range of 010 to –010, set the data value to 0, turn the centering magnet of the deflection yoke and fine-adjust V-STATIC.

		Adjustment Item	Screen No.	Adjustment Method
Lean Adjustment	1	BV-KEY	15	• Adjust so that the blue horizontal lines at the left and right of the screen do not tilt.
	2	BV-MID KEY *6	16	
	3	BV-SUB KEY	19	
	4	BV-M S KEY *6	20	
Distortion Adjustment	1	BV-3D KEY	17	• Adjust so that the blue horizontal lines at the left and right of the screen overlap with the green horizontal lines, and become straight lines with no distortion. **Note:** Do not adjust items 2, 4, 8 and 12.
	2	(BV-M 3D KEY) *6	18	
	3	BV-3DS KEY	21	
	4	(BV-M 3S KEY) *6	22	
	5	BV-PIN	23	
	6	BV-MID PIN *6	24	
	7	BV-4D PIN	25	
	8	(BV-M 4D PIN) *6	26	
	9	BV-SUB PIN	27	
	10	BV-M S PIN *6	28	
	11	BV-4DS PIN	29	
	12	(BV-M 4S PIN) *6	30	

*6 : Adjust taking note of the blue horizontal lines at 1/4 of the left and right sides of the screen

■ Screen


Key No. ④
• KEY 15
• MID KEY 16
• 3D KEY 17
• M 3D KEY 18
Key No. ③
• SUB KEY 19
• M S KEY 20
• 3DS KEY 21
• M 3S KEY 22
Key No. ⑥
• PIN 23
• MID PIN 24
• 4D PIN 25
• M 4D PIN 26
Key No. ⑤
• SUB PIN 27
• M S PIN 28
• 4DS PIN 29
• M 4S PIN 30

● Screen's changes in the vertical direction when manual convergence adjustment is mode

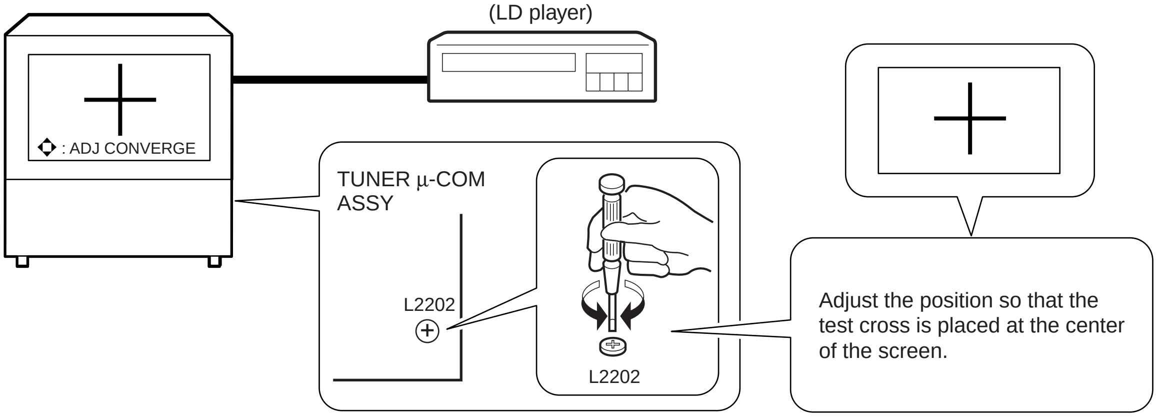
The changes at the arrow parts shown below are those implemented using the Volume ⊕ key. Changes are opposite to the arrow when the Volume ⊖ key is used.

▷——◁
▷- - - -◁ = Fixed position

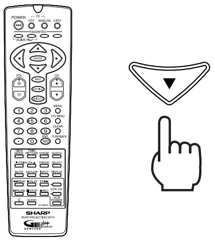
Fig. 12. Vartical correction (2)

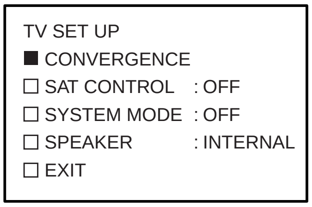
⑪ Test cross H-center position adjustment

Start


(LD player)
✥ : ADJ CONVERGE
TUNER µ-COM
ASSY
L2202
L2202

Adjust the position so that the test cross is placed at the center of the screen.

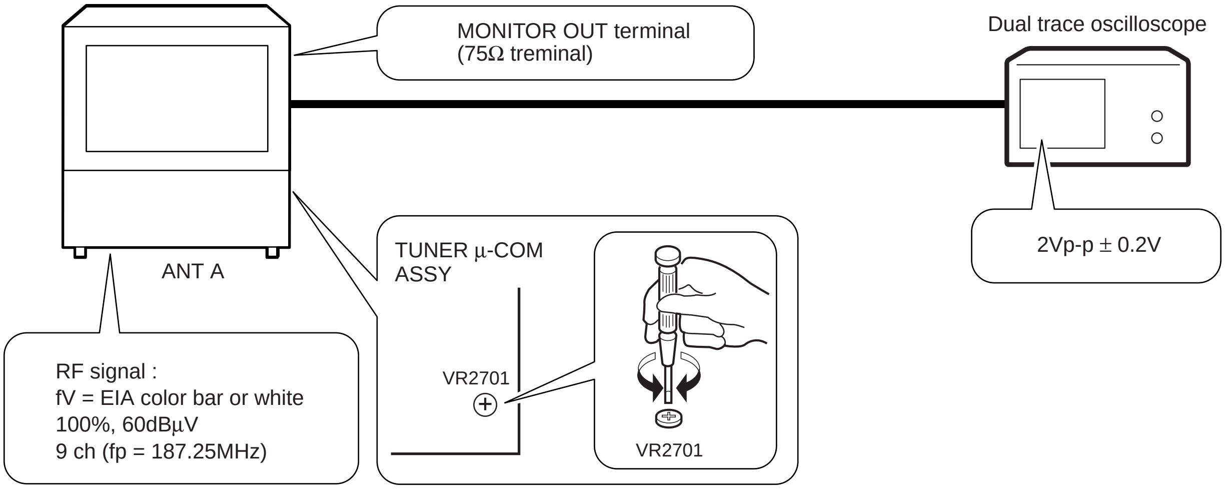



TV SET UP
■ CONVERGENCE
☐ SAT CONTROL : OFF
☐ SYSTEM MODE : OFF
☐ SPEAKER : INTERNAL
☐ EXIT

⑫ Tuner block adjustment

⑫-1 Video level adjustment ①

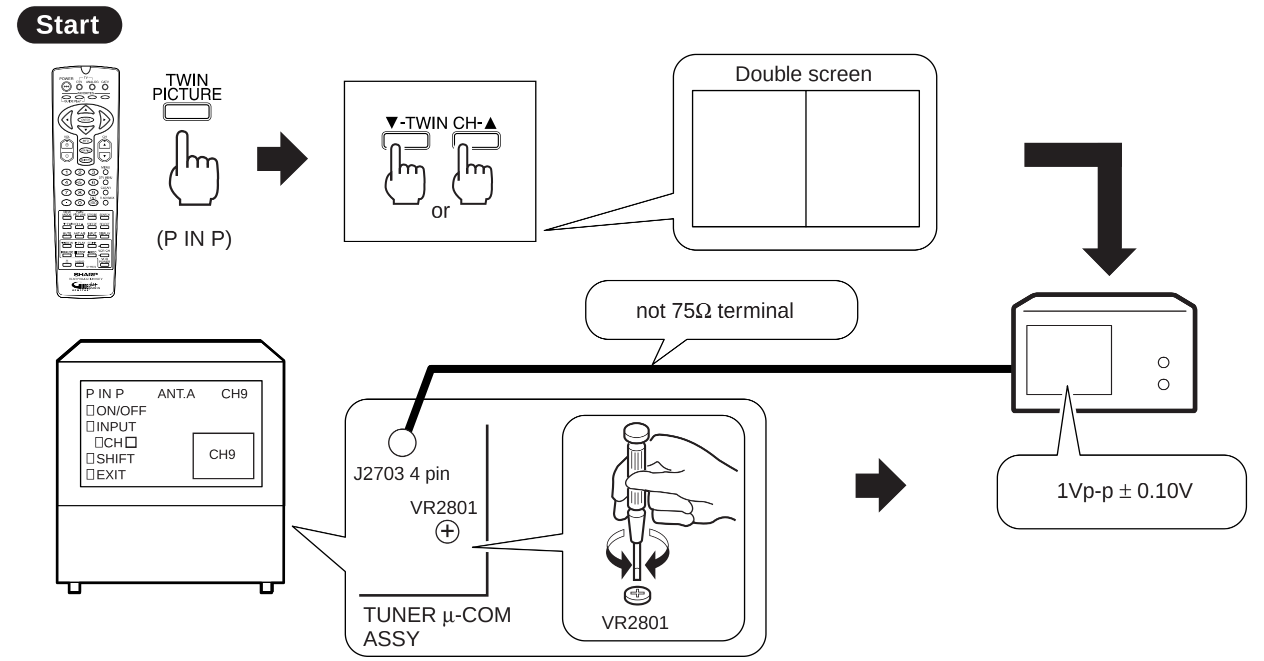
Start


MONITOR OUT terminal
(75Ω treminal)
Dual trace oscilloscope
ANT A
TUNER µ-COM
ASSY
VR2701
VR2701

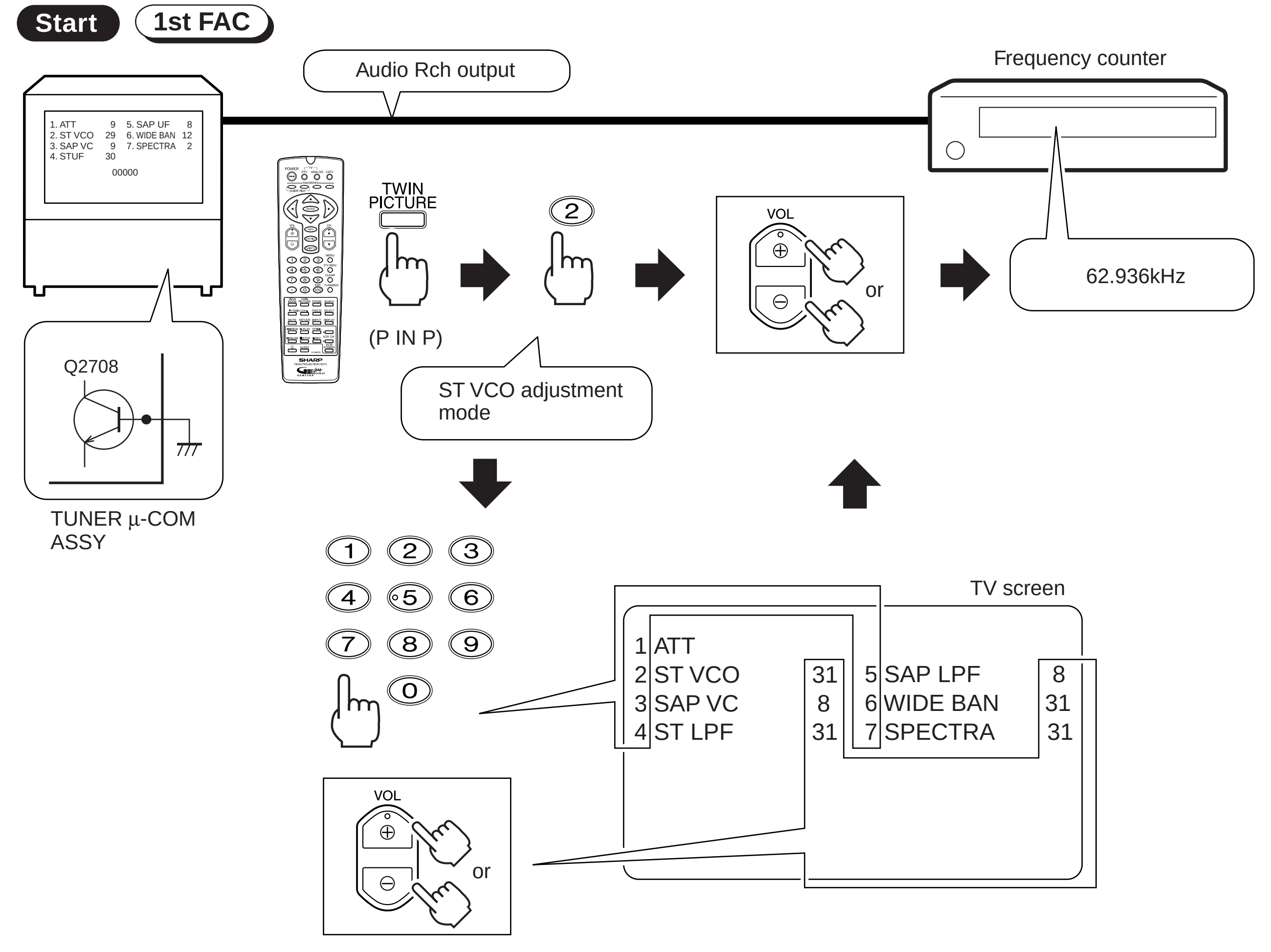
2Vp-p ± 0.2V

RF signal :
fV = EIA color bar or white 100%, 60dBµV
9 ch (fp = 187.25MHz)

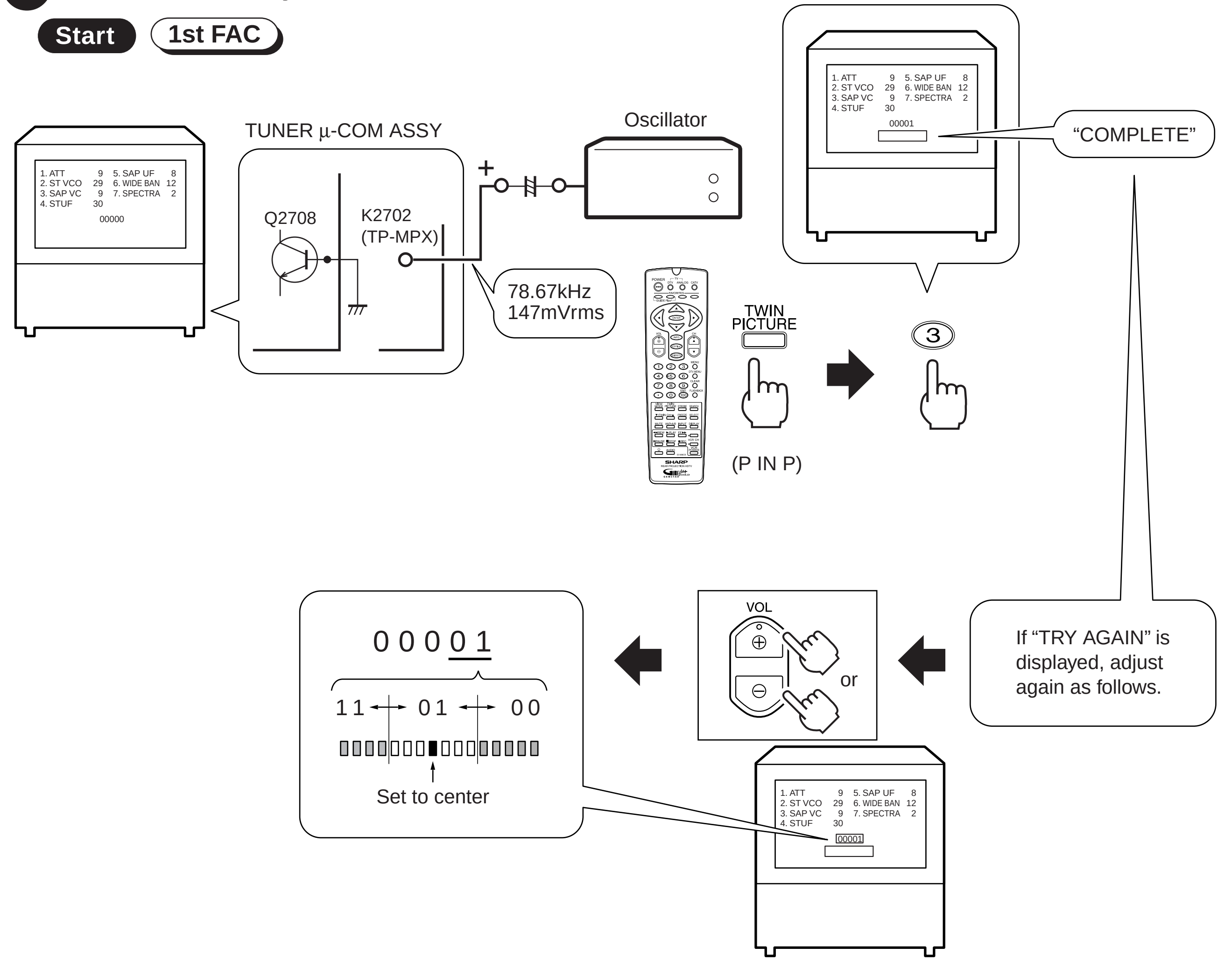
⑫ -2 Video level adjustment ②


Start
TWIN
PICTURE
(P IN P)
▼-TWIN CH-▲
or
Double screen
not 75Ω terminal
P IN P ANT.A CH9
ON/OFF
INPUT
CH
SHIFT
EXIT
CH9
J2703 4 pin
VR2801
TUNER µ-COM
ASSY
VR2801
1Vp-p ± 0.10V

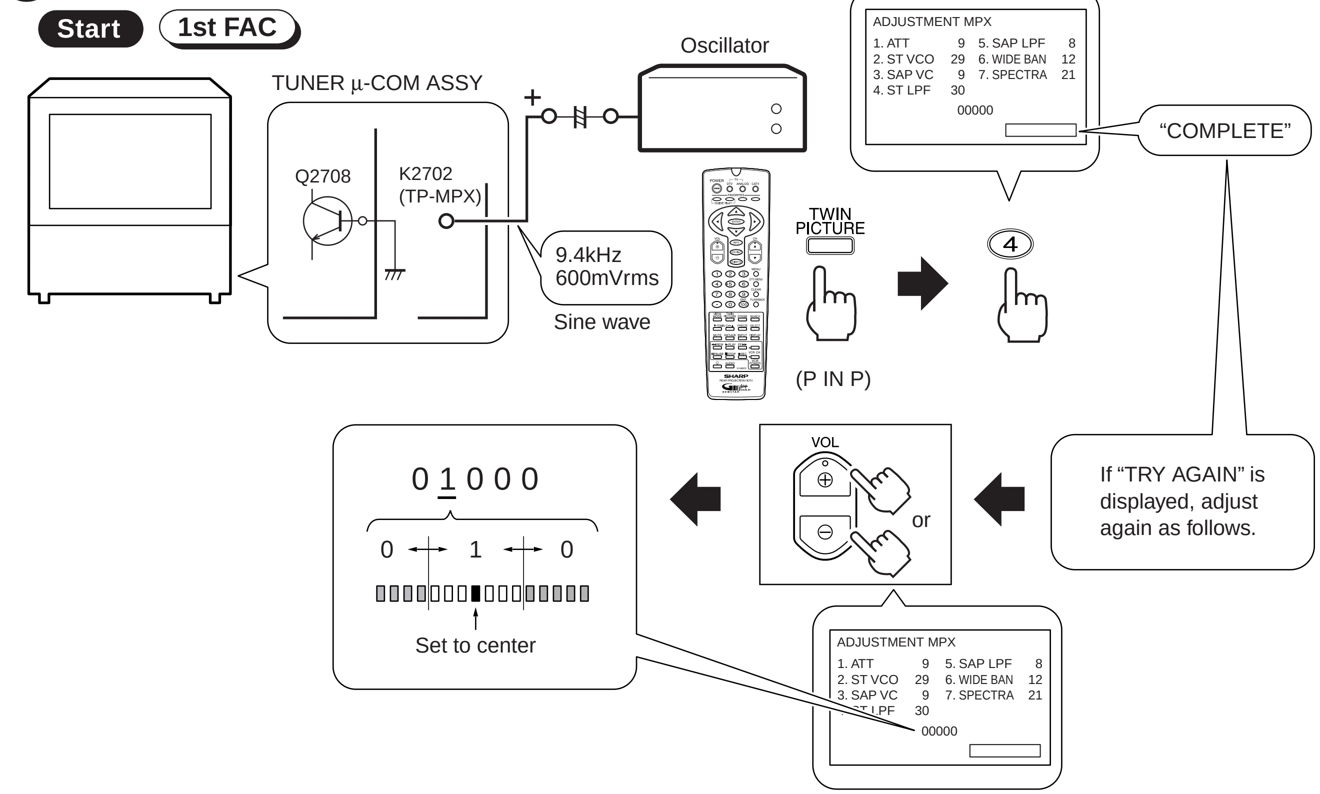
⑫ -3 Stereo VCO adjustment


Start
1st FAC
Audio Rch output
Frequency counter
1. ATT 9
2. ST VCO 29
3. SAP VC 9
4. STUF 30
5. SAP UF 8
6. WIDE BAN 12
7. SPECTRA 2
00000
TWIN
PICTURE
2
(P IN P)
ST VCO adjustment mode
VOL
or
62.936kHz
Q2708
TUNER µ-COM
ASSY
1 2 3
4 5 6
7 8 9
0
TV screen
1 ATT
2 ST VCO 31
3 SAP VC 8
4 ST LPF 31
5 SAP LPF 8
6 WIDE BAN 31
7 SPECTRA 31
VOL
or

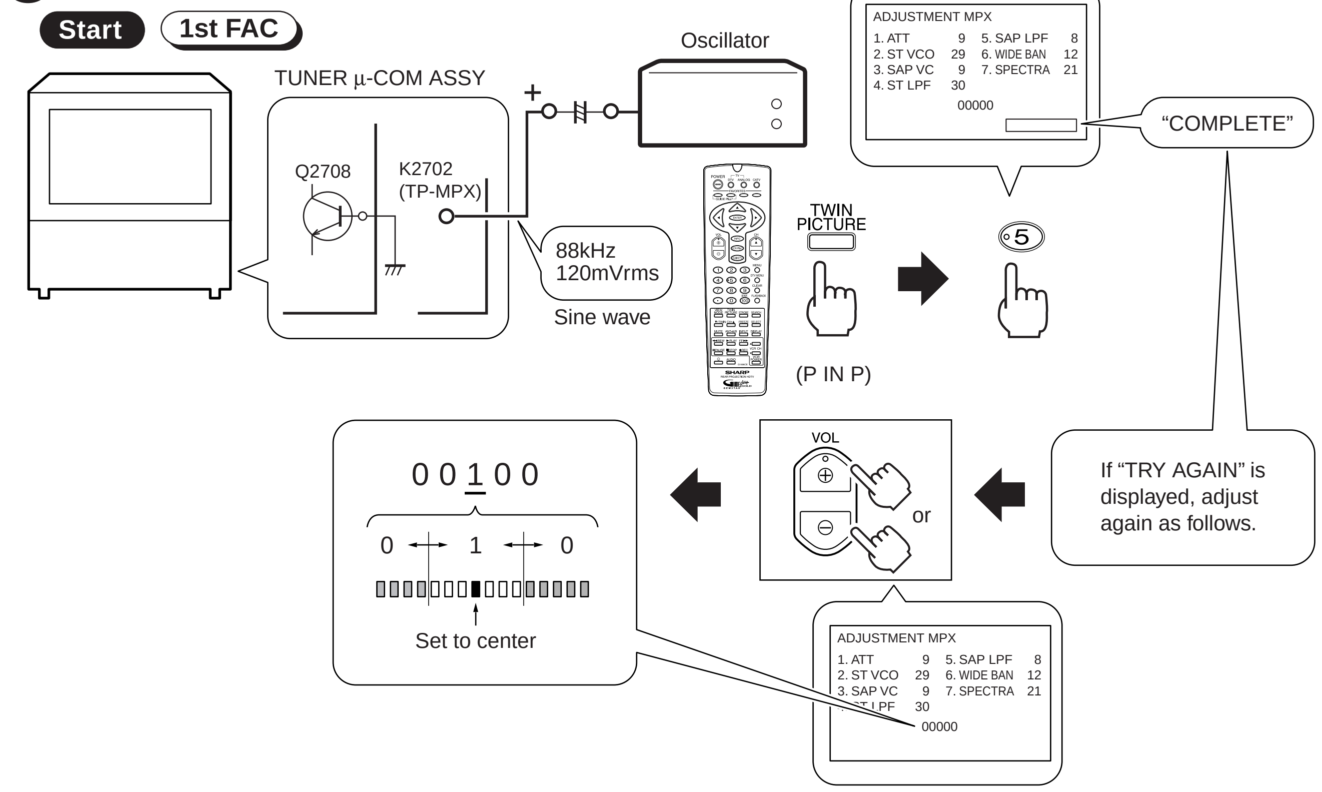
⑫ -4 SAP VCO adjustment


Start
1st FAC
1. ATT 9
2. ST VCO 29
3. SAP VC 9
4. STUF 30
5. SAP UF 8
6. WIDE BAN 12
7. SPECTRA 2
00000
TUNER µ-COM ASSY
Q2708
K2702
(TP-MPX)
+
Oscillator
78.67kHz
147mVrms
TWIN
PICTURE
(P IN P)
3
00001
"COMPLETE"
If "TRY AGAIN" is displayed, adjust again as follows.
VOL
or
0 0 0 0 1
1 1
0 1
0 0
Set to center
00001

⑫-5 STEREO LPF adjustment

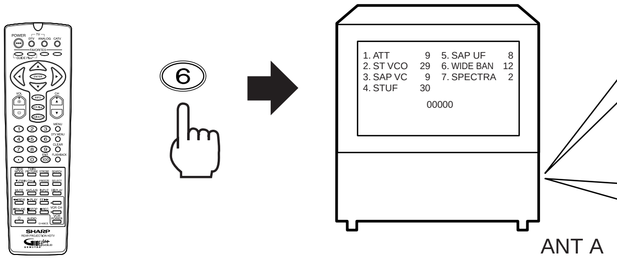

Start
1st FAC
TUNER µ-COM ASSY
Q2708
K2702
(TP-MPX)
+
Oscillator
9.4kHz
600mVrms
Sine wave
TWIN PICTURE
(P IN P)
4
ADJUSTMENT MPX
1. ATT 9 5. SAP LPF 8
2. ST VCO 29 6. WIDE BAN 12
3. SAP VC 9 7. SPECTRA 21
4. ST LPF 30
00000
"COMPLETE"
If "TRY AGAIN" is displayed, adjust again as follows.
VOL
or
0 1 0 0 0
0 1 0
Set to center

⑫-6 SAP LPF adjustment


Start
1st FAC
TUNER µ-COM ASSY
Q2708
K2702
(TP-MPX)
+
Oscillator
88kHz
120mVrms
Sine wave
TWIN PICTURE
(P IN P)
5
ADJUSTMENT MPX
1. ATT 9 5. SAP LPF 8
2. ST VCO 29 6. WIDE BAN 12
3. SAP VC 9 7. SPECTRA 21
4. ST LPF 30
00000
"COMPLETE"
If "TRY AGAIN" is displayed, adjust again as follows.
VOL
or
0 0 1 0 0
0 1 0
Set to center

⑫ -7 Separation adjustment (WIDE BAND)

Start **1st FAC**


6
1. ATT 9
2. ST VCO 29
3. SAP VC 9
4. STUF 30
5. SAP UF 8
6. WIDE BAN 12
7. SPECTRA 2
00000
ANT A

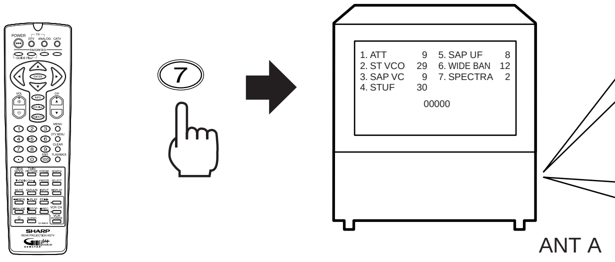
Adjust the output of the TV OUT terminal on the rear panel to the minimum level.

R ch level - L ch input (RF) → minimum
or
L ch level - R ch input (RF) → minimum

RF signal
Video signal : fV = EIA color-bar, 60dBμV
Audio signal : fA = 300Hz, 30% MOD, L ch (or R ch) only, 54dBμV
9 ch (fp = 187.25MHz)

⑫ -8 Separation adjustment (SPECTRAL)

Start **1st FAC**

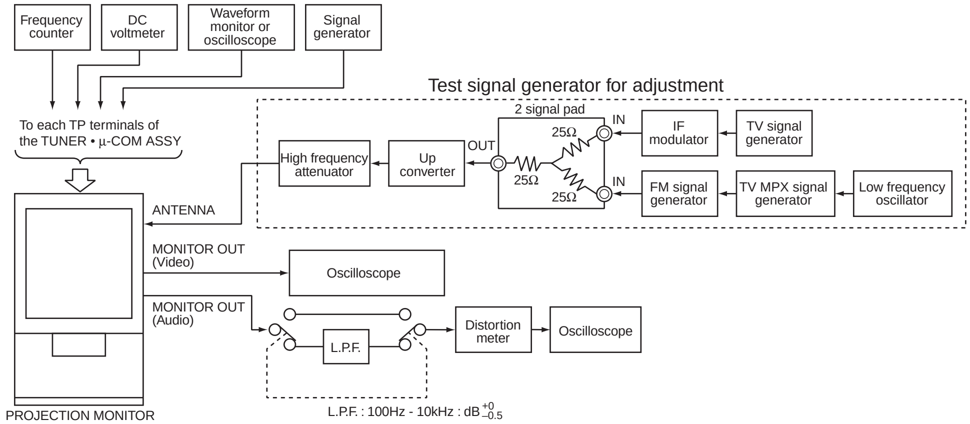

7
1. ATT 9
2. ST VCO 29
3. SAP VC 9
4. STUF 30
5. SAP UF 8
6. WIDE BAN 12
7. SPECTRA 2
00000
ANT A

Adjust the output of the TV OUT terminal on the rear panel to the minimum level.

R ch level - L ch input (RF) → minimum
or
L ch level - R ch input (RF) → minimum

RF signal
Video signal : fV = EIA color-bar, 60dBμV
Audio signal : fA = 3kHz, 30% MOD, L ch (or R ch) only, 54dBμV
9 ch (fp = 187.25MHz)

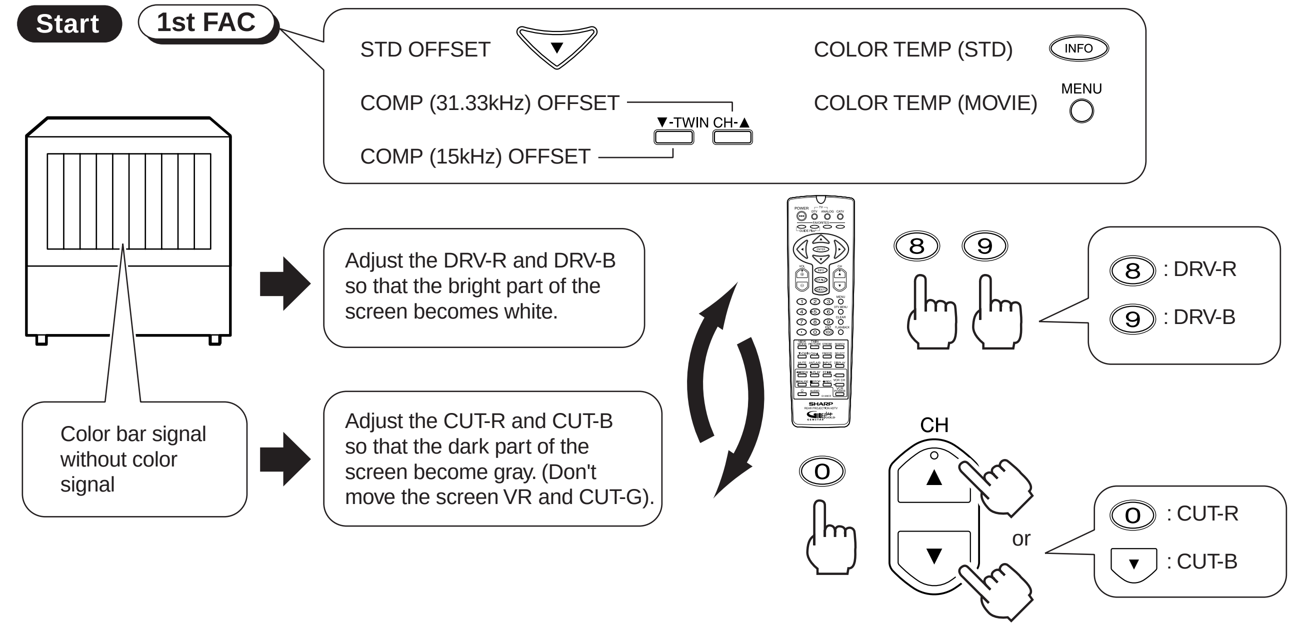
• Connection diagram for adjusting the tuner section:


Frequency counter
DC voltmeter
Waveform monitor or oscilloscope
Signal generator
Test signal generator for adjustment
To each TP terminals of the TUNER • μ-COM ASSY
2 signal pad
25Ω
25Ω
25Ω
OUT
IN
IN
High frequency attenuator
Up converter
IF modulator
TV signal generator
FM signal generator
TV MPX signal generator
Low frequency oscillator
ANTENNA
MONITOR OUT (Video)
Oscilloscope
MONITOR OUT (Audio)
L.P.F.
Distortion meter
Oscilloscope
PROJECTION MONITOR RECEIVER

L.P.F. : 100Hz - 10kHz : dB $^{+0}_{-0.5}$
15.75kHz - 100kHz : less than –40dB

Note :
- Repeat step ⑫ -7 and ⑫ -8 till the best separation.
- When performing the separation adjustment, be sure to perform WIDE BAND adjustment first.
- If performing the WIDE BAND adjustment, be sure to perform SPECTRAL adjustment.

13 White balance adjustment


Start
1st FAC
STD OFFSET
COMP (31.33kHz) OFFSET
COMP (15kHz) OFFSET
▼-TWIN CH-▲
COLOR TEMP (STD)
INFO
COLOR TEMP (MOVIE)
MENU
8
9
8 : DRV-R
9 : DRV-B
0
CH
or
0 : CUT-R
▼ : CUT-B

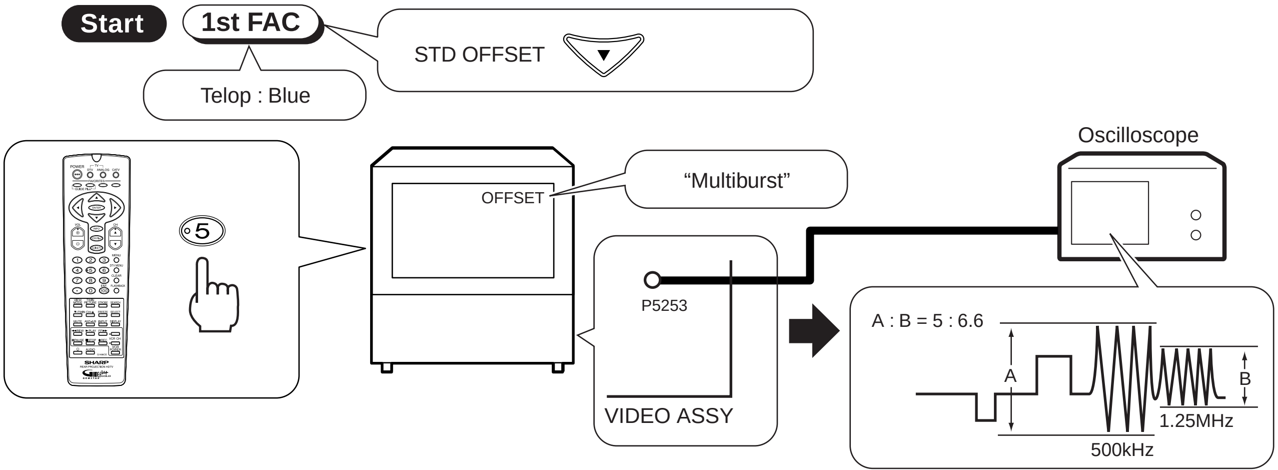
Color bar signal without color signal

Adjust the DRV-R and DRV-B so that the bright part of the screen becomes white.

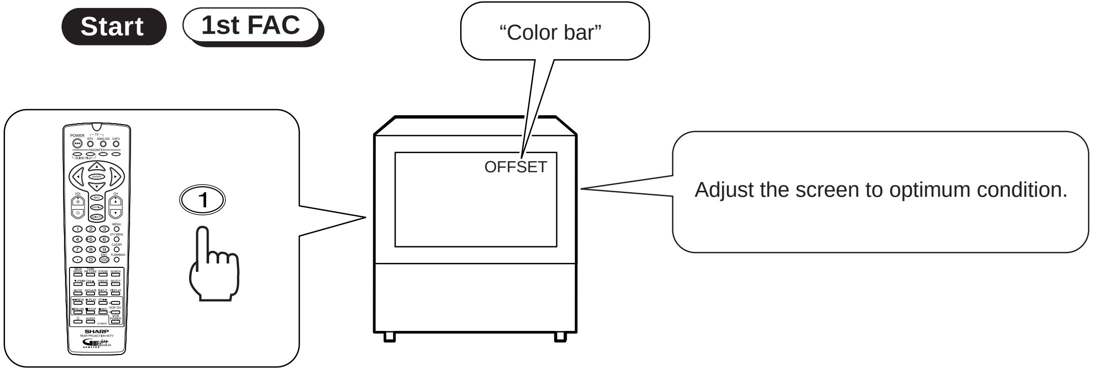
Adjust the CUT-R and CUT-B so that the dark part of the screen become gray. (Don't move the screen VR and CUT-G).

14 SHARP's standard settings

14 -1 Sharpness adjustment


Start
1st FAC
STD OFFSET
Telop : Blue
5
OFFSET
"Multiburst"
Oscilloscope
P5253
VIDEO ASSY
A : B = 5 : 6.6
A
B
1.25MHz
500kHz

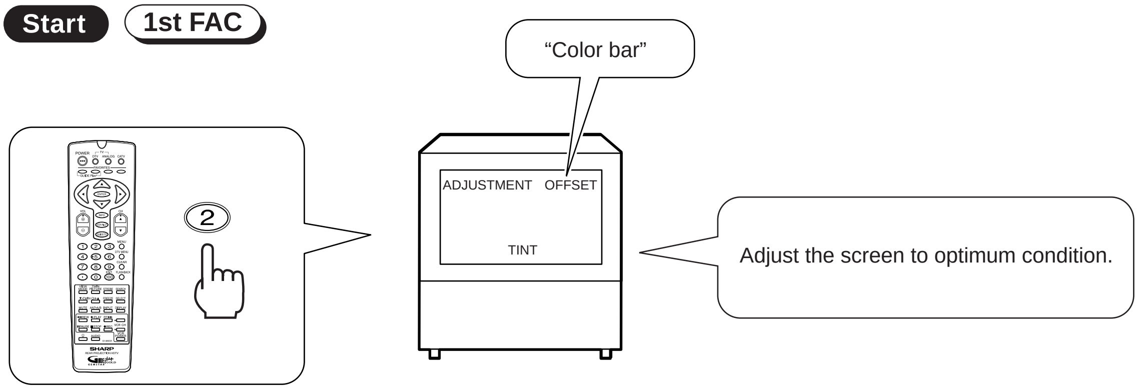
14 -2 Color adjustment


Start
1st FAC
"Color bar"
1
OFFSET

Adjust the screen to optimum condition.

⑭-3 Tint adjustment

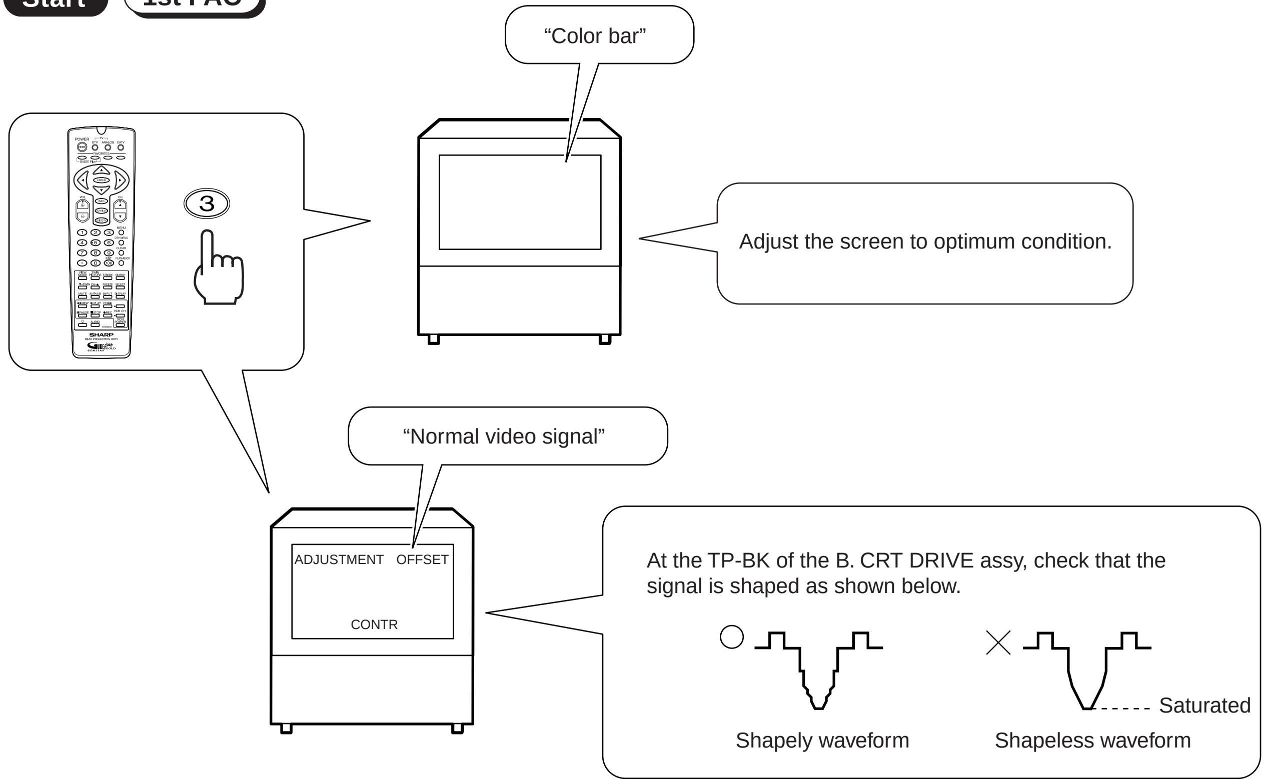
Start **1st FAC**


"Color bar"
ADJUSTMENT OFFSET
TINT
2

Adjust the screen to optimum condition.

⑭-4 Contrast adjustment

Start **1st FAC**


"Color bar"
3
"Normal video signal"
ADJUSTMENT OFFSET
CONTR
○
×
Saturated
Shapely waveform
Shapeless waveform

Adjust the screen to optimum condition.

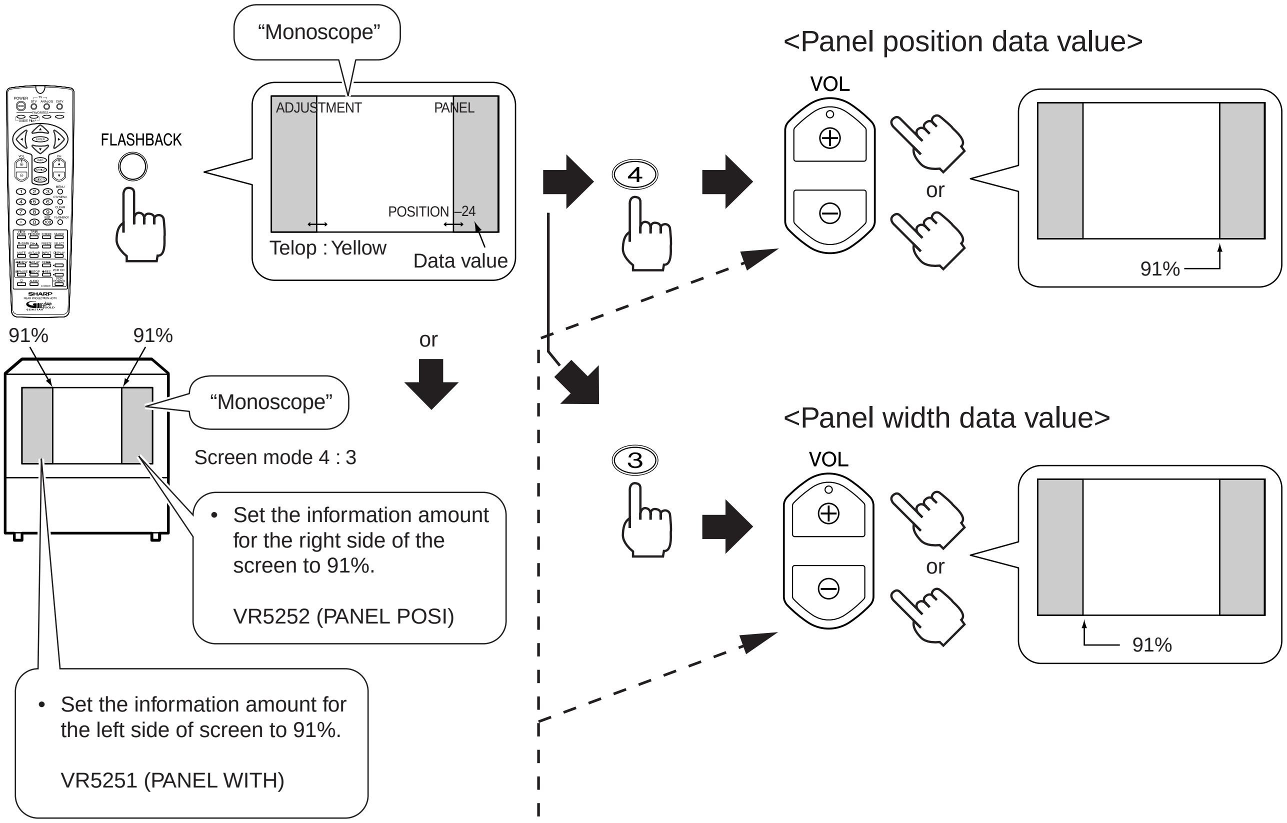
At the TP-BK of the B. CRT DRIVE assy, check that the signal is shaped as shown below.

⑮ Side panel adjustment (Screen size 4 : 3)

⑮-1 Panel position adjustment

Start **1st FAC**

(ADJUSTMENT PANEL MODE)


"Monoscope"
ADJUSTMENT
PANEL
POSITION –24
Telop : Yellow
Data value
FLASHBACK
SHARP
91%
91%
or
"Monoscope"
Screen mode 4 : 3
<Panel position data value>
VOL
④
or
91%
<Panel width data value>
VOL
③
or
91%

- Set the information amount for the right side of the screen to 91%.

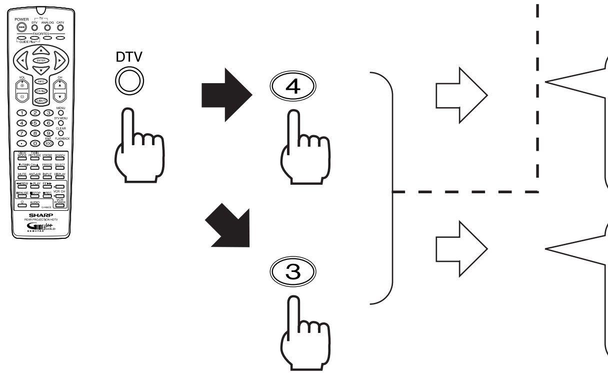
  VR5252 (PANEL POSI)

- Set the information amount for the left side of screen to 91%.

  VR5251 (PANEL WITH)

Start **1st FAC**

(DTV PANEL ADJ MODE)


DTV
SHARP
④
③

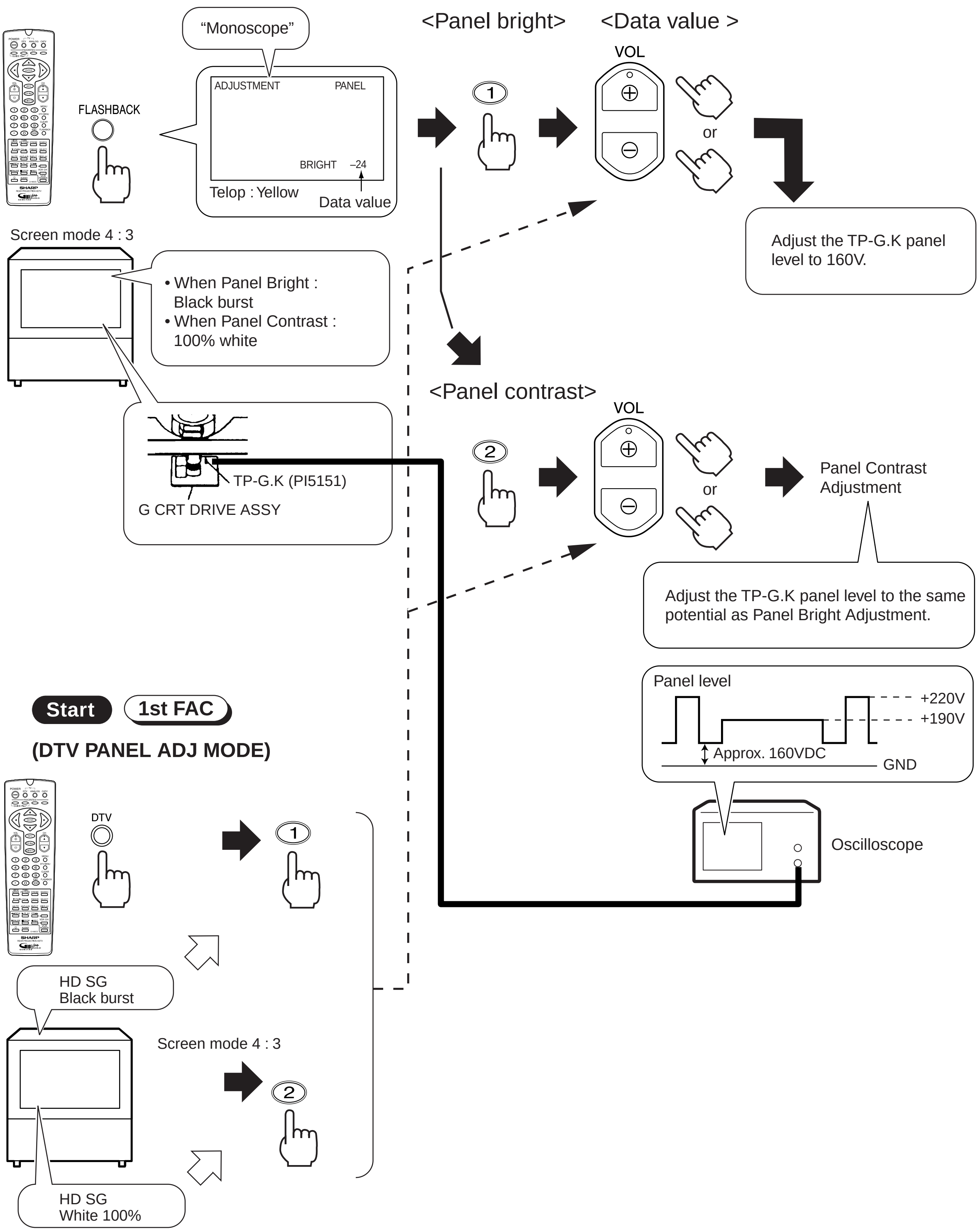
- Using the VOL+ and VOL– keys, adjust the information amount at the right side of the screen to the same position as that when NTSC signals are input.

- Using the VOL+ and VOL– keys, adjust the information amount at the left side of the screen to the same position as that when NTSC signals are input.

⑮-2 Adjustment of panel luminance

Start **1st FAC**

(ADJUSTMENT PANEL MODE)



Start **1st FAC**

(DTV PANEL ADJ MODE)

Screen mode 4 : 3

- When Panel Bright : Black burst
- When Panel Contrast : 100% white

Adjust the TP-G.K panel level to 160V.

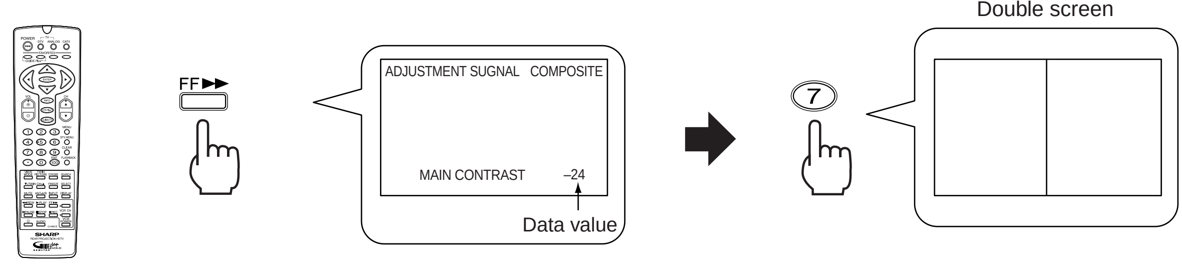
Adjust the TP-G.K panel level to the same potential as Panel Bright Adjustment.

"Monoscope"
FLASHBACK
ADJUSTMENT
PANEL
BRIGHT –24
Telop : Yellow
Data value
<Panel bright>
<Data value >
VOL
①
or
Screen mode 4 : 3
TP-G.K (PI5151)
G CRT DRIVE ASSY
<Panel contrast>
VOL
②
or
Panel Contrast Adjustment
Panel level
+220V
+190V
Approx. 160VDC
GND
Oscilloscope
DTV
①
②
HD SG
Black burst
Screen mode 4 : 3
HD SG
White 100%

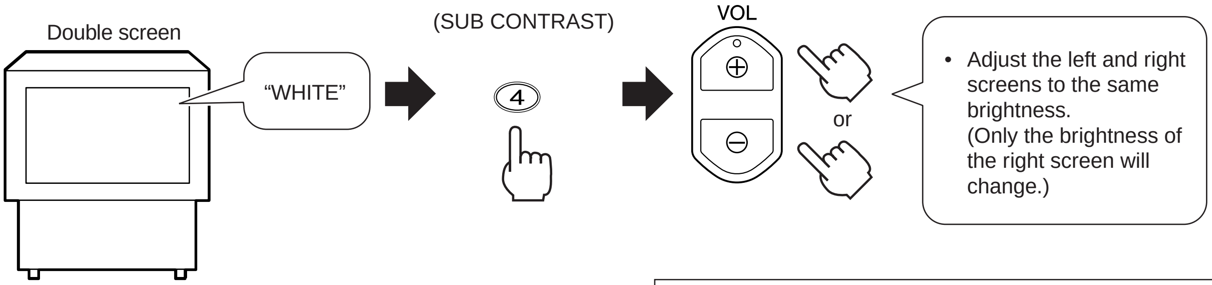
16 SPLIT screen adjustment

Start **1st FAC**

(SIGNAL ADJUSTMENT MODE)


FF ►►
ADJUSTMENT SUGNAL COMPOSITE
MAIN CONTRAST –24
Data value
7
Double screen

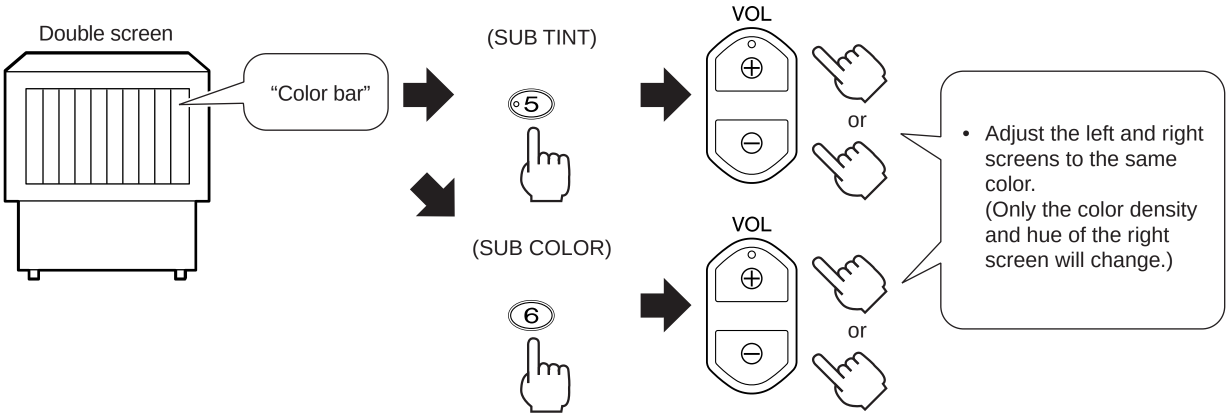
16 -1 Luminance adjustment


Double screen
"WHITE"
(SUB CONTRAST)
4
VOL
or

- Adjust the left and right screens to the same brightness.
  (Only the brightness of the right screen will change.)

Note :
If the SPLIT screen is extremely bright or dark when displaying live images after adjustments, adjust the MAIN CONTRAST (① key ON) to adjust the brightness again.

16 -2 Adjustment of color density and hue


Double screen
"Color bar"
(SUB TINT)
5
(SUB COLOR)
6
VOL
or
VOL
or

- Adjust the left and right screens to the same color.
  (Only the color density and hue of the right screen will change.)

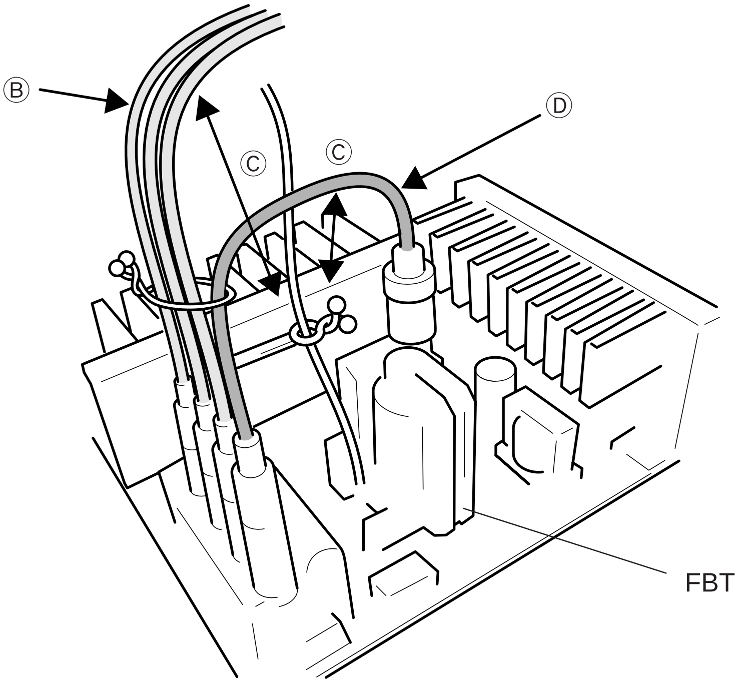
Note :
If the SPLIT screen is extremely light or the hue is improper when displaying live images after adjustments, adjust the MAIN TINT (② key ON) and MAIN COLOR (③ key ON) to adjust the color density and hue again.

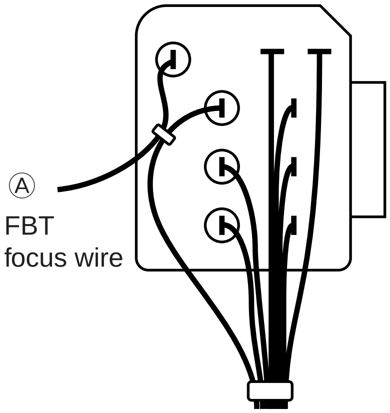
GENERAL INFORMATION

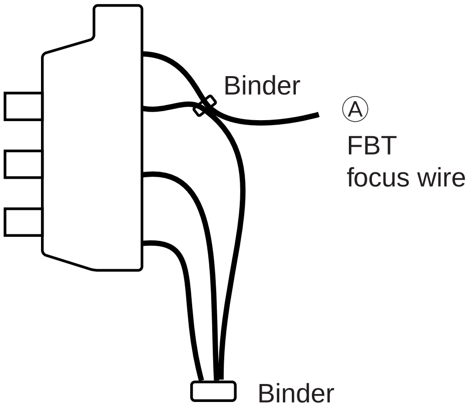
■ WIRING DIAGRAM

Reconnect any disconnected lead wires of the Projection monitor receiver.
The important points for connection of the lead wires are as shown below.
You may find that they were connected differently. Be sure reconnect the lead wires as they were.

Note:
Ⓐ: FBT focus wire and other parts should be at least 15mm away from any other parts.
Ⓑ: Loop with a radius of 30mm or omre.
Ⓒ: The anode cable and other parts should be at least 15mm away from any other parts.
Ⓓ: Loop with a radius of 50mm or more.







■ IC

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

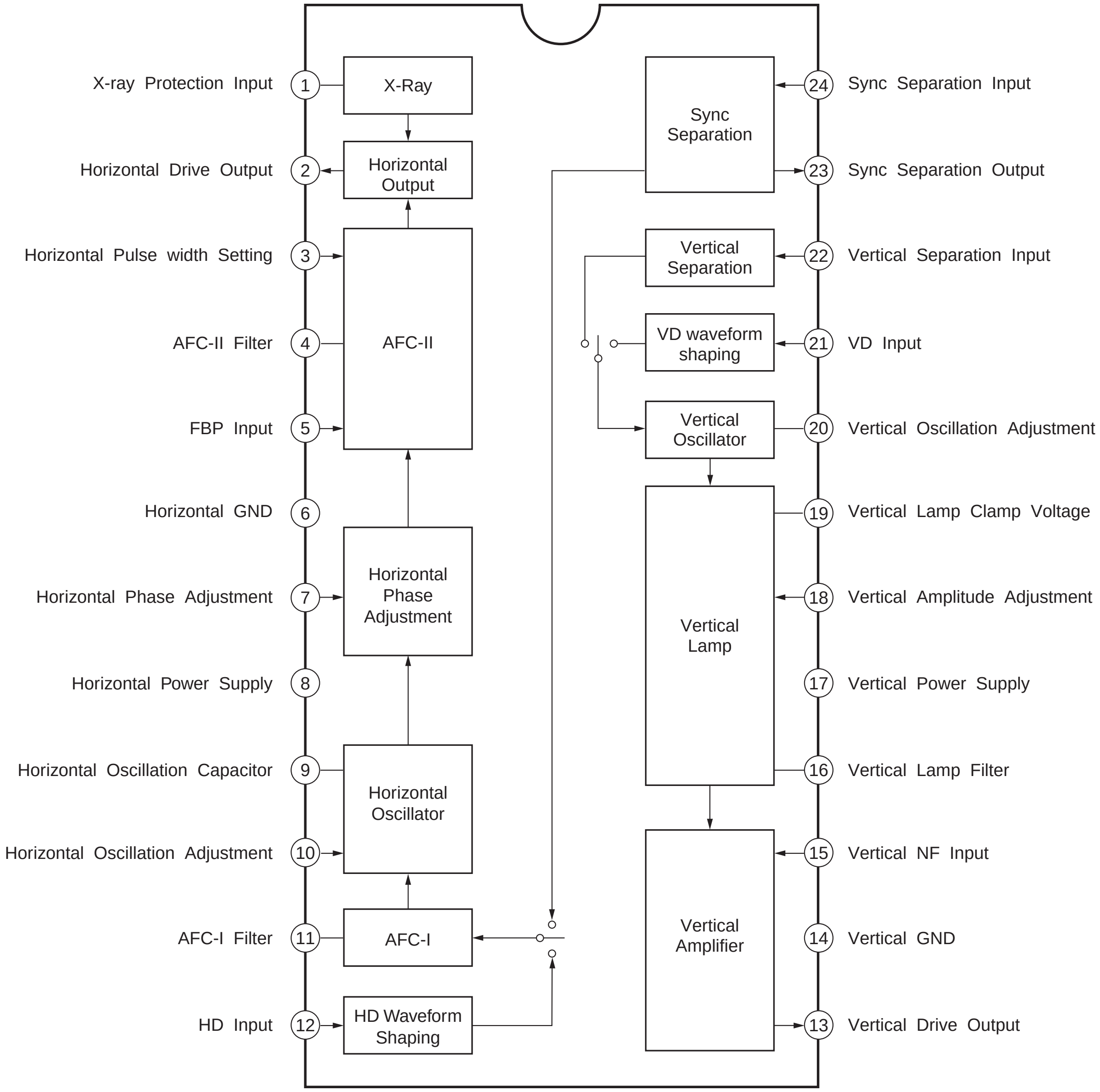
- **List of IC**

TA8638N
PD5462
AN5344FBP
TMS4C2973-26
UPD64081BGF
MM1031XM
TLC2932IPW
CA0007AD
PD5463
AN5395FBP
CD74HCT4046AM
TA1270AF
TC90A45F
PD5499
CXA1315P
PD5497
SAA7165WP
SAA4990H
NJM2233BM
MB40C568HPF
24LC08B(I)S
STK4412
PD0264AM
TDA8755T
PE6002
PQ09RD1B
MA07132
NJM2187L
TA1276AN
SAA4952WP
PQ05RD1B
CXA2119M
HY514264BJC

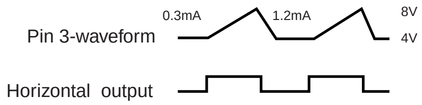
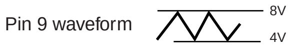
■ TA8638N (DEFLECTION ASSY : IC301)

DEFLECTION IC

- **Block Diagram**


X-ray Protection Input
1
X-Ray
Horizontal Drive Output
2
Horizontal Output
Horizontal Pulse width Setting
3
AFC-II Filter
4
AFC-II
FBP Input
5
Horizontal GND
6
Horizontal Phase Adjustment
7
Horizontal Phase Adjustment
Horizontal Power Supply
8
Horizontal Oscillation Capacitor
9
Horizontal Oscillator
Horizontal Oscillation Adjustment
10
AFC-I Filter
11
AFC-I
HD Input
12
HD Waveform Shaping
Sync Separation
24
Sync Separation Input
23
Sync Separation Output
Vertical Separation
22
Vertical Separation Input
VD waveform shaping
21
VD Input
Vertical Oscillator
20
Vertical Oscillation Adjustment
19
Vertical Lamp Clamp Voltage
Vertical Lamp
18
Vertical Amplitude Adjustment
17
Vertical Power Supply
16
Vertical Lamp Filter
Vertical Amplifier
15
Vertical NF Input
14
Vertical GND
13
Vertical Drive Output

- **Pin Function**

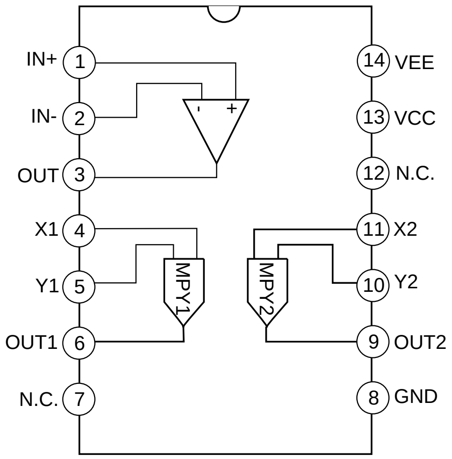
Pin No.	Pin Name	I/O	Function
1	X-ray protection input	I	Pin for preventing radiation of X-ray from CRT. When this pin is set above 1.3V (standard), the horizontal output will stop until H.VCC becomes a low level.
2	Horizontal drive output	O	Horizontal output pin.
3	Horizontal pulse width setting	I	Pin for adding a capacitor for setting horizontal output pulse duty.  0.3mA 1.2mA 8V 4V Pin 3-waveform Horizontal output
4	AFC-II filter	—	Pin for adding capacitor for AFC-II filter.
5	FBP input	I	FBP input pin.
6	Horizontal GND	—	Horizontal circuit GND
7	Horizontal phase adjustment	I	Horizontal phase adjustment pin. The image horizontal position can be adjusted according to the voltage of this pin.
8	Horizontal VCC	—	Horizontal circuit VCC=12V (Standard)
9	Horizontal oscillation capacitor	—	Pin for adding the horizontal oscillation capacitor. Oscillation circuit based on rated current discharge. 
10	Horizontal oscillation adjustment	I	Pin for adjusting the horizontal oscillation frequency. Determines the current to Pin 9.
11	AFC-I filter	—	Pin for adding the capacitor to the AFC-I filter.
12	HD input	I	HD signal input pin. The HD signal is selected as the sync signal by setting the voltage of Pin 22 to low level (<0.7V).
13	Vertical drive output	O	Vertical output pin.
14	Vertical GND	—	Vertical circuit GND.
15	Vertical NF input	I	Vertical negative feed back input pin.
16	Vertical lamp filter	—	Pin for adding a capacitor for generating the vertical lamp waveform. Performs waveform-shaping by the discharged power of the capacitor.
17	Vertical power supply	—	Vertical circuit VCC=12V (Standard)
18	Vertical amplitude width adjustment	I	Pin for adding a capacitor for generating the vertical lamp waveform.
19	Vertical lamp clamp voltage	—	Pin for determining the upper limit voltage of vertical sawtooth wave.
20	Vertical oscillation adjustment	—	Pin for adding the capacitor resistance for vertical oscillation.
21	VD input	I	VD signal input pin. The VD signal is selected as a sync signal by setting the voltage of Pin 22 to low level (<0.7V).
22	Vertical separation input	I	Vertical sync signal input pin. By setting this pin to low level (<0.7V), the HD and VD signals are selected as a sync signal.

Pin No.	Pin Name	I/O	Function
23	Sync separation output	O	Horizontal sync separation output pin. Separates and outputs the sync signal of the composite signal input to Pin 24.
24	Sync separation input	I	Horizontal sync separation input pin.

■ CA0007AD (AMP ASSY: IC907)

DUAL ANALOG MULTIPLIER IC

- **Block Diagram**


IN+ 1
IN- 2
OUT 3
X1 4
Y1 5
OUT1 6
N.C. 7
14 VEE
13 VCC
12 N.C.
11 X2
10 Y2
9 OUT2
8 GND
-
+
MPY1
MPY2

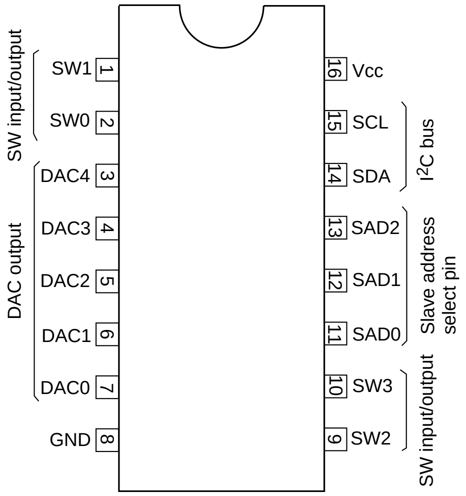
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	IN+	I	Non-inverting input (OP-AMP)
2	IN–	I	Inverting input (OP-AMP)
3	OUT	O	Output (OP-AMP)
4	X1	I	X input (MPY-1)
5	Y1	I	Y input (MPY-1)
6	OUT1	O	Output (MPY-1)
7	N.C.	–	Not connected
8	GND	–	Ground
9	OUT2	O	Output (MPY-2)
10	Y2	I	Y input (MPY-2)
11	X2	I	X input (MPY-2)
12	N.C.	–	Not connected
13	VCC	–	Power
14	VEE	–	Power

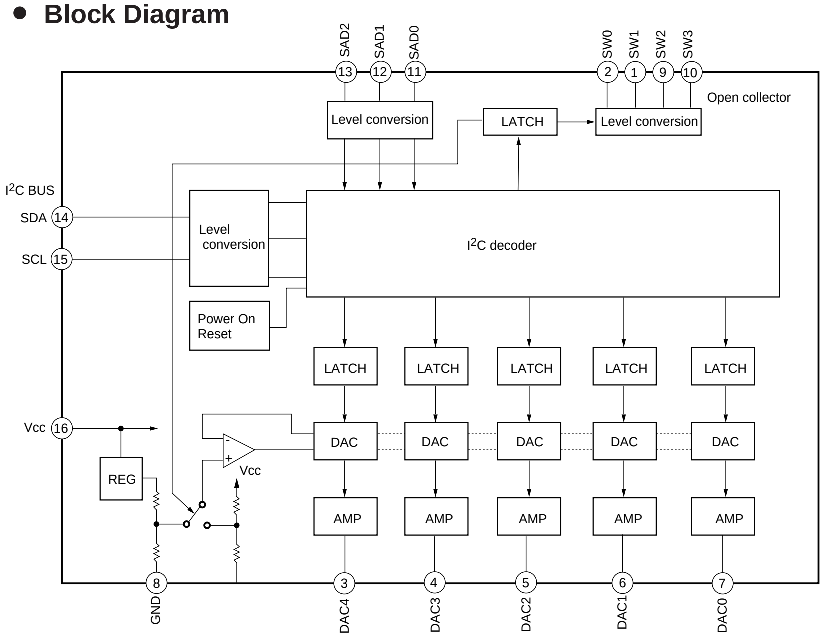
■ CXA1315P (AMP ASSY: IC1171)

8 bit D/A CONVERTER

- **Pin Assignment**


SW input/output
SW1 1
SW0 2
DAC output
DAC4 3
DAC3 4
DAC2 5
DAC1 6
DAC0 7
GND 8
16 Vcc
15 SCL
14 SDA
I²C bus
13 SAD2
12 SAD1
11 SAD0
Slave address select pin
10 SW3
9 SW2
SW input/output

- **Block Diagram**


SAD2 13
SAD1 12
SAD0 11
SW0 2
SW1 1
SW2 9
SW3 10
Open collector
Level conversion
LATCH
Level conversion
I²C BUS
SDA 14
SCL 15
Level conversion
I²C decoder
Power On Reset
LATCH
LATCH
LATCH
LATCH
LATCH
Vcc 16
REG
-
+
Vcc
DAC
DAC
DAC
DAC
DAC
AMP
AMP
AMP
AMP
AMP
8 GND
3 DAC4
4 DAC3
5 DAC2
6 DAC1
7 DAC0

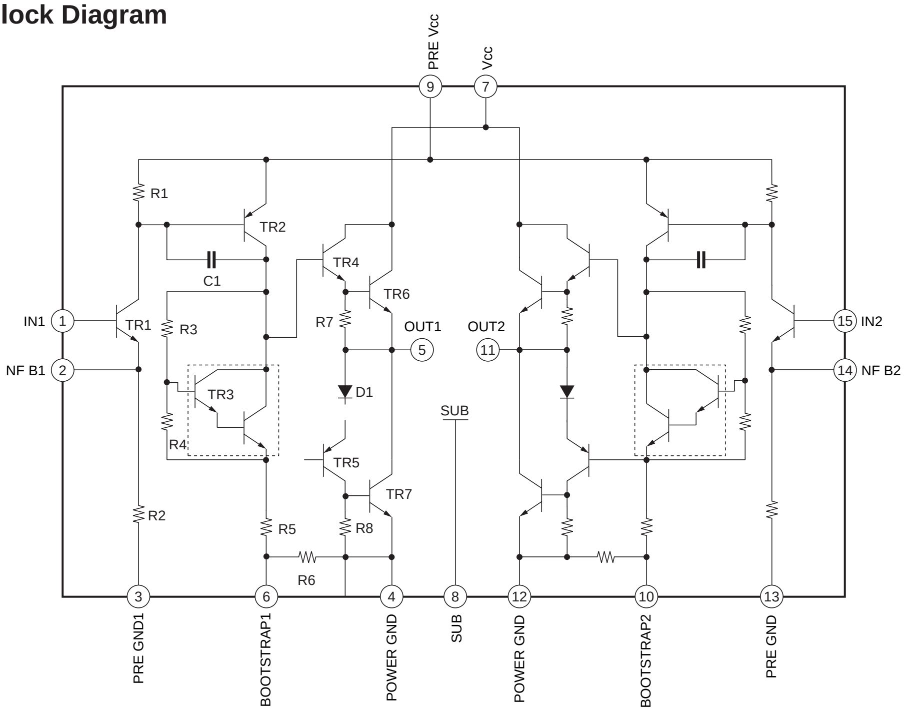
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	SW1	I/O	Input/output pin of the general I/O port. VILmax: 1.5V VIHmin: 3V VOLmax: 0.4V
2	SW0	I/O	
3	DAC4	O	D/A converter output pin.
4	DAC3	O	
5	DAC2	O	
6	DAC1	O	
7	DAC0	O	
8	GND	—	GND pin.
9	SW2	I/O	Input/output pin of the general I/O port. VILmax: 1.5V VIHmin: 3V VOLmax: 0.4V
10	SW3	I/O	
11	SAD0	I	Input pin of the slave address. Inputs by positive logic. VILmax: 1.5V VIHmin: 3V
12	SAD1	I	
13	SAD2	I	
14	SDA	I/O	I^{2}C BUS SDA input/output pin.
15	SCL	I	I^{2}C bus SCL input pin.
16	VCC	—	Power supply pin.

■ STK4412 (AMP ASSY: IC1202)

POWER Amp

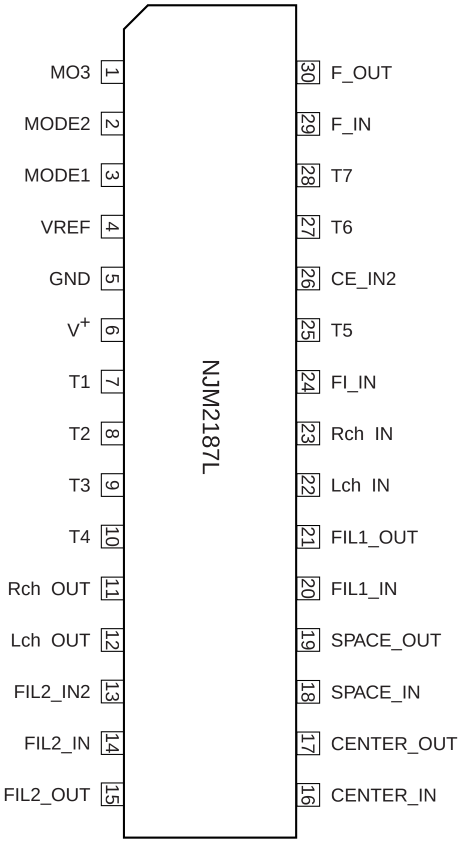
- **Block Diagram**


PRE Vcc
Vcc
9
7
R1
TR2
C1
TR4
TR6
IN1
1
TR1
R3
R7
OUT1
5
OUT2
11
15
IN2
NF B1
2
14
NF B2
TR3
D1
SUB
R4
TR5
TR7
R2
R5
R8
R6
3
6
4
8
12
10
13
PRE GND1
BOOTSTRAP1
POWER GND
SUB
POWER GND
BOOTSTRAP2
PRE GND

■ NJM2187L (AMP ASSY: IC1204)

SURROUND IC

- **Pin Assignment**


NJM2187L
MO3 1
MODE2 2
MODE1 3
VREF 4
GND 5
V+ 6
T1 7
T2 8
T3 9
T4 10
Rch OUT 11
Lch OUT 12
FIL2_IN2 13
FIL2_IN 14
FIL2_OUT 15
16 CENTER_IN
17 CENTER_OUT
18 SPACE_IN
19 SPACE_OUT
20 FIL1_IN
21 FIL1_OUT
22 Lch IN
23 Rch IN
24 FI_IN
25 T5
26 CE_IN2
27 T6
28 T7
29 F_IN
30 F_OUT

- **Pin Function**

Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
1	MO3	I	V+ IN	16	CENTER_IN	I	Center gain adjustment
2	MODE2	I	Mode selection switch	17	CENTER_OUT	O	Center gain adjustment
3	MODE1	I	Mode selection switch	18	SPACE_IN	I	Space gain adjustment
4	VREF	—	Reference voltage V+/2	19	SPACE_OUT	O	Space gain adjustment
5	GND	—	Ground	20	FIL1_IN	I	Perspective Network 1 input
6	V+	—	Power supply 4.5V to 13V	21	FIL1_OUT	O	Perspective Network 1 output
7	T1	O	Test pin	22	Lch IN	I	Left channel input
8	T2	O	Test pin	23	Rch IN	I	Right channel input
9	T3	O	Test pin	24	FI IN	I	Perspective Network input
10	T4	O	Test pin	25	T5	I	Test pin
11	Rch OUT	O	Right channel output	26	CE IN	I	Center input
12	Lch OUT	O	Left channel output	27	T6	I	Test pin
13	FIL2_IN2	I	Perspective Network 2 input	28	T7	O	Test pin
14	FIL2_IN	I	Perspective Network 2 input	29	F_IN	I	Perspective Network 3 input
15	FIL2_OUT	I	Perspective Network 2 output	30	F_OUT	O	Perspective Network 3 output

■ PD5462 (TUNER μ-COM: IC2201)

MAIN μ-COM

- **Pin Function**

Pin No.	Pin Name	I/O	Function	ACT
1	OPTION	I	For software destination switching	P:L, S:H
2	TEMP.S	I	Unused	–
3	AFT1	I	AFT analog voltage input to tuner 1	–
4	AFT2	I	AFT analog voltage input to tuner 2	–
5	KEY	I	Analog DC voltage input for determination of KEY input	–
6	DPO	I	DPO analog voltage input	–
7	YOBI	I	Unused	–
8	SRDY	I	SRDY signal for communication with sharp microprocessor	
9	MCLK	O	MCLK signal for communication with sharp microprocessor	–
10	MDATA	O	MDATA signal for communication with sharp microprocessor	–
11	SDATA	I	SDATA signal for communication with sharp microprocessor	–
12	MREQ	O	MREQ signal for communication with sharp microprocessor	
13	ANT SW2	O	Output for switching ANT SW for tuner 2	ANT.A: H, ANT.B: L
14	H SYNC1	TIM input	Tuner 1 reception horizontal sync count input. Same contents as H.SYNC2.	Negative polarity
15	H SYNC2	TIM input	Horizontal sync count input for tuner 2 reception. Determines that there is a broadcast station if the state in which the number of H. SYNC is 12 to 18 continues for 8 times, and determines that there is no broadcast station for other states continue for 6 times.	Negative polarity
16	V BLK2	INT input	For data transmission timing	Positive polarity
17	NC	I	Unused	–
18	NC	I	Unused	–
19	MTS SW	O	Tuner 1, 2 audio input switching control signal	Tuner1: L, Tuner2: H
20	(D)SCL	O	I^2C BUS for communication with DTV tuner	–
21	(D)SDA	I/O	I^2C BUS for communication with DTV tuner	–
22	(D)BUSY	I	BUSY signal for communication with DTV tuner	
23	(D)RESET	O	RESET signal for communication with DTV tuner	
24	(D)INT	INT input	INT signal for communication with DTV tuner	
25	REM	INT input	SR remote control signal input	–
26	CNVSS	–	Connected to VSS	–
27	RESET	I	RESET input	RESET: L
28	TIMER LED	O	LED control signal for reserved recording	Lit: H
29	DTV LED	O	LED control signal for DTV reception	Lit: H
30	XIN	I	Main clock generation circuit input pin	–
31	XOUT	O	Main clock generation circuit output pin	–
32	VSS	–	Prints 0V	–
33	LED ON/OFF	O	Main PW RED LED control signal	Lit: H
34	P.D.	I	Unused	–
35	RELAY1	O	TV GUIDE +, TUNER 2 power supply relay control	ON: L, OFF: H
36	RELAY2	O	General secondary side circuit power supply relay control	ON: L, OFF: H
37	AC CLK	I	AC.CLK detection input for detection of AC power supply OFF	–
38	FAN DRV	I	Unused	–
39	A.MUTE1	O	Audio mute output	Mute: H
40	A.MUTE2	I	Unused	–

Pin No.	Pin Name	I/O	Function	ACT
41	C.MUTE	O	Converter mute output. When AC is supplied:L, Discharge:H.	MUTE ON: L, OFF: H
42	C.ENB	O	ENB output for PM0011 AS (convergence DAC IC) control.	Communication permission: L
43	CLK	O	PM0011AS (convergence DAC IC, IC1403, IC1408-IC1412), HG62G010R29FB (auto zoom IC, IC4005) CLK output for control	–
44	DATA	I/O	Same as above, DATE output	–
45	E^{2}P RST	O	RESET output for EEPROM	RESET: H
46	(E)SCL	O	SCL output for EEPROM	–
47	(E)SDA	I/O	SDA input/output for EEPROM	–
48	I^{2}CSW	O	Control output for separating the (E)SCL, (E)SDA I^{2}C BUS from the auto converter connector. Connected only in the auto converter mode.	SW ON: H
49	SCL1	O	I^{2}C BUS for AXF1084 (Tuner 1 front end), CXA1734S (US sound multi-decoder IC, IC2701), PD5497B9 (CCD microprocessor, IC2203), I^{2}C BUS for control	–
50	SDA1	I/O	Same as above	–
51	SCL2	O	µPC1853CT (surround processor, IC1201) TA1276N (video jungle IC, IC5251) CXA1315P (audio DAC, IC1171), CXP1315P (DAC for base) CXA1315M (6-layer DAC, IC6403), I^{2}C BUS for control	–
52	SDA2	I/O	Same as above	–
53	(S)CLK	O	CLK output for sub-microprocessor (PD5463B9, IC2202) control	–
54	(S)DATA	I/O	DATA output for sub-microprocessor (PD5463B9) control	–
55	(S)ENB	O	ENB output for sub-microprocessor (PD5463B9) control	Communication permission: L
56	(S)BUSY	I	BUSY output for sub-microprocessor (PD5463B9)	BUSY: H
57	CC SEL	O	CCD switching control signal	Main (CC for left screen): L
58	SCL5	O	AXF1084 (tuner 2 front end), I^{2}C BUS for control	–
59	SDA5	I/O	AXF1084 (tuner 2 front end), I^{2}C BUS for control	–
60	NC	I	Unused	–
61	SMUTE	O	Sub-screen mute output	–
62	MMUTE	O	Main-screen mute output	–
63	V MUTE	O	Video mute output (Main-screen and sub-screen muted together)	Mute: H
64	P.ENB	I	Unused	–
65	NC	I	Unused	–
66	G.ENB	O	ENB output for HG62G010R29FB (auto zoom IC, IC4005) control	Permission: L
67	G.RST	O	RESET output for HG62G010R29FB (auto zoom IC) control	RESET: H
68	3D RST	O	Signal for resetting µPD64081BGF-3BA (3D Y/C SEP IC, IC7002)	RESET: L
69	V CHIP MUTE	O	V chip muting of main-screen	Mute: H
70	TV MUTE	O	For muting TV OUT signal during station selection	Mute: H
71	MON MUTE	O	Signal output for monitor out signal muting (When system is connected, when function is switched, when ON/OFF)	Mute: H
72	V/F MUTE	O	Muting output for switching VARIABLE and FIX of audio output	Mute: H
73	VCC	–	Supplies power +5V	–
74	ADVREF	–	Supplies power +5V for AD	–
75	AVSS	–	Supplies 0V	–
76	ANT SW1	O	Output for switching ANT SW for TUNER1	ANT.A: H, ANT.B: L
77	N.C.	–	Unused	–
78	N.C.	–	Unused	–
79	N.C.	–	Unused	–
80	N.C.	–	Unused	–

■ PD5463 (TUNER µ-COM: IC2202)

SUB µ-COM

- **Pin Function**

Pin No.	Pin Name	I/O	Function	ACT
1	DH BLK	I	CCD display sync signal double speed HBLK input	Positive polarity
2	V BLK2	I	CCD display sync signal VBLK input	Positive polarity
3	OPTION	I	Voltage input for switching software destination	P: L, S: H
4	VS	I	Vertical sync input for detecting fH of component signal	Positive polarity
5	HS	I	Horizontal sync input for detecting fH of component signal	Positive polarity
6	NC	–	Unused	–
7	P.RST	O	RESET output for RESET control of progressive BLOCK (PE6001A9, PST9146N), TC9078F (aspect conversion IC)	RESET: H
8	(S)BUSY	O	BUSY line for communication with main microprocessor	H: BUSY
9	(S)ENB	I	ENB line for communication with main microprocessor	Communication permission: L
10	(S)DATA	I/O	DATA line for communication with main microprocessor	–
11	V SIZE ADJ	O	PWM output for vertical size adjustment	Size large: +, Size small: –
12	H SIZE ADJ	O	PWM output for horizontal size adjustment	Size large: +, Size small: –
13	H PHA ADJ	O	PWM output for horizontal position adjustment	Move to right: –, Move to left: +
14	OSD ENB	O	ENB output for PD0264A(OSD IC) control	Communication permission: L
15	(S)CLK	I	CLK line input for communication with main microprocessor	–
16	OSD DATA	O	DATA output for controlling PD0264 A (OSD IC)	–
17	OSD CLK	O	CLK output for controlling PD0264 A (OSD IC)	–
18	AVCC	–	Analog power supply. Connected to +5V.	–
19	HLF	–	Connected to external part for CCD timing signal generation circuit	–
20	RVCO	–	Connected to external part for CCD timing signal generation circuit	–
21	VHOLD	–	Connected to external part for CCD reference voltage generation circuit	–
22	CC Y1	I	Input of video signal for main screen CCD and V CHIP detection	Positive polarity
23	CNVSS	–	Connected to VSS.	–
24	XIN	–	Input pin of main clock generation circuit	–
25	XOUT	–	Output pin of main clock generation circuit	–
26	VSS	–	Supplies to 0V	–
27	VCC	–	Supplies +5V power supply	–
28	OSC1	I	Clock input for display	–
29	OSC2	I/O	Clock output for display	–
30	RESET	I	RESET input	Reset: L
31	V O/X1	I	Input for main signal input detection	Signal present: L
32	V O/X2	I	Input for sub signal input detection	Signal present: L
33	CENT O/X	I	Input for center input detection	Signal present: H
34	FRESH TONE	O	Signal output for switching skin color compensation input range	ON: L
35	CNR SW	O	Control output for CNR ON/OFF	ON: L
36	SDA4	I/O	I^{2}C BUS for CXA2069Q (AV selection SW), CXA1315M (DAC for AV I/O) control	–
37	SDA3	O	TC9078F (aspect conversion IC), 87C654 (line doubler control microprocessor), SAA7165 (D/A conversion), I^{2}C BUS for control	–
38	SCL4	O	Same as SDA4	–
39	SCL3	O	Same as SDA3	–

Pin No.	Pin Name	I/O	Function	ACT
40	AUX SW	O	Switches between external double speed component input signal, DTV 1080 signal, and double speed component signal double speed signal processed inside the unit	External double speed: H Others: L
41	COMP3 MUTE	O	Sub-screen component signal (15K) mute output	Mute: H
42	COMP2 MUTE	O	Main-screen component signal (15K) mute output	Mute: H
43	COMP1 MUTE	O	Double speed component signal (31.5K/33.75K) mute output	Mute: H
44	H OSC SW	O	Horizontal free-running frequency switching signal	31 K: H, 33 K: L
45	LIN WHITE	I	Unused	Sync with CUT B
46	NC	–	Unused	Unused
47	NC	–	Unused	Unused
48	NC	–	Unused	Unused
49	CC1-BLK	O	BLK output for main-screen CCD	Positive polarity
50	CC1-B	O	B output for main-screen CCD	Positive polarity
51	CC1-G	O	G output for main-screen CCD	Positive polarity
52	CC1-R	O	R output for main-screen CCD	Positive polarity

■ PD5497 (TUNER µ-COM: IC2203)

CCD µ-COM

- **Pin Function**

Pin No.	Pin Name	I/O	Function	ACT
1	DH BLK	I	Sync signal double speed HBLK input for CCD display	Positive polarity
2	V BLK2	I	Sync signal VBLK input for CCD display	Positive polarity
3	OPTION	I	Voltage input for switching software destination	P: L, S: H *1
4	NC	I	Unused	–
5	NC	I	Unused	–
6	NC	I	Unused	–
7	NC	I	Unused	–
8	NC	I	Unused	–
9	NC	I	Unused	–
10	NC	I	Unused	–
11	NC	I	Unused	–
12	NC	I	Unused	–
13	NC	I	Unused	–
14	NC	I	Unused	–
15	NC	I	Unused	–
16	NC	I	Unused	–
17	NC	I	Unused	–
18	AVCC	–	Connected to analog power supply, +5V	–
19	HLF	–	Connected to external part for CCD timing signal generation circuit	–
20	RVCO	–	Connected to external part for CCD timing signal generation circuit	–
21	VHOLD	–	Connected to external part for CCD reference voltage generation circuit	–
22	CC Y2	I	Video signal input for detection of sub-screen CCD, V CHIP	Positive polarity
23	CNVSS	–	Connected to VSS	–
24	XIN	–	Input pin of main lock generation circuit	–
25	XOUT	–	Output pin of main lock generation circuit	–

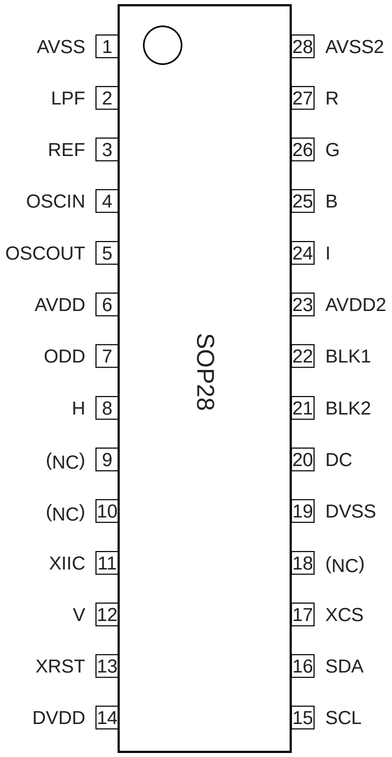
Pin No.	Pin Name	I/O	Function	ACT
26	VSS	–	Supplies 0V	–
27	VCC	–	Supplies +5V power supply	–
28	OSC1	I	Clock input for display	–
29	OSC2	I/O	Clock output for display	–
30	RESET	I	RESET input	RESET:L
31	NC	I	Unused	–
32	NC	I	Unused	–
33	NC	I	Unused	–
34	NC	I	Unused	–
35	NC	I	Unused	–
36	NC	I	Unused	–
37	SDA1	I/O	I^{2}C BUS for communication with main microprocessor	–
38	NC	I	Unused	–
39	SCL1	O	Same as SDA1	–
40	NC	I	Unused	–
41	NC	I	Unused	–
42	NC	I	Unused	–
43	NC	I	Unused	–
44	NC	I	Unused	–
45	NC	I	Unused	–
46	NC	I	Unused	–
47	NC	I	Unused	–
48	NC	I	Unused	–
49	CC2-BLK	O	BLK output for sub-screen CCD	Positive polarity
50	CC2-B	O	B output for sub-screen CCD	Positive polarity
51	CC2-G	O	G output for sub-screen CCD	Positive polarity
52	CC2-R	O	R output for sub-screen CCD	Positive polarity

*1 P: AWV1715
S: AWV1723

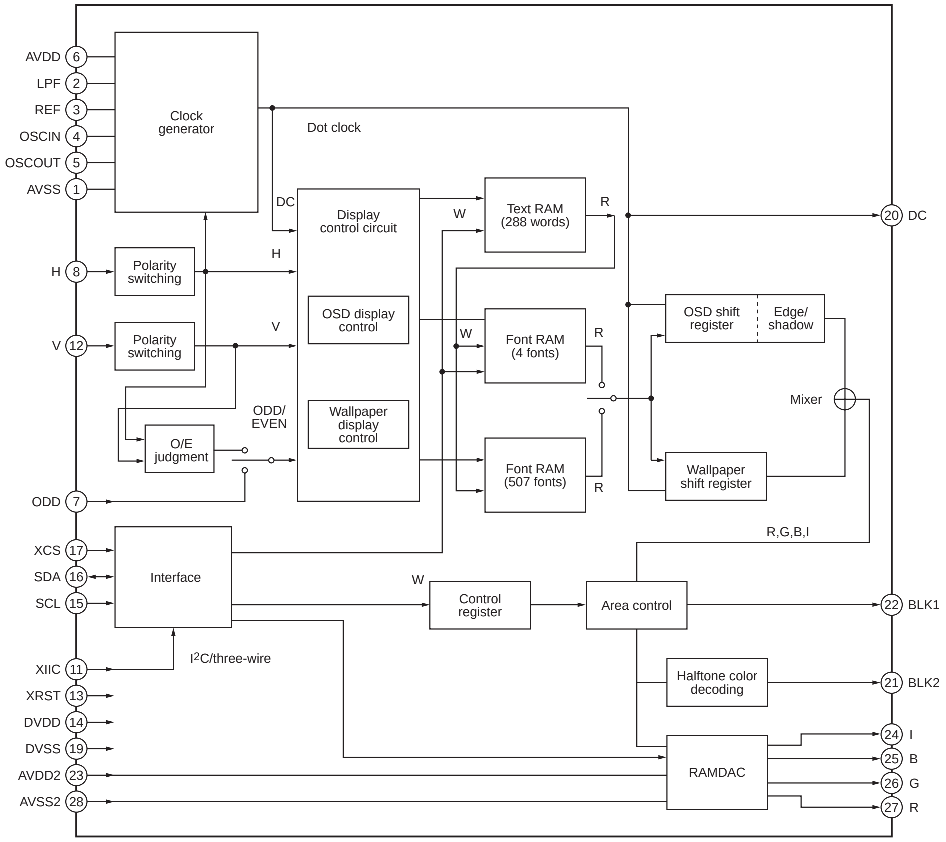
■ PD0264AM (TUNER μ-COM ASSY: IC2206)

OSD (On-Screen Display) IC

- **Pin Assignment**


AVSS 1
LPF 2
REF 3
OSCIN 4
OSCOUT 5
AVDD 6
ODD 7
H 8
(NC) 9
(NC) 10
XIIC 11
V 12
XRST 13
DVDD 14
28 AVSS2
27 R
26 G
25 B
24 I
23 AVDD2
22 BLK1
21 BLK2
20 DC
19 DVSS
18 (NC)
17 XCS
16 SDA
15 SCL
SOP28

- **Block Diagram**


AVDD 6
LPF 2
REF 3
OSCIN 4
OSCOUT 5
AVSS 1
Clock generator
Dot clock
DC
Display control circuit
W
Text RAM (288 words)
R
20 DC
H 8
Polarity switching
H
V 12
Polarity switching
V
OSD display control
W
Font RAM (4 fonts)
R
OSD shift register
Edge/ shadow
Mixer
ODD/ EVEN
Wallpaper display control
O/E judgment
Font RAM (507 fonts)
R
Wallpaper shift register
ODD 7
R,G,B,I
XCS 17
SDA 16
SCL 15
Interface
W
Control register
Area control
22 BLK1
XIIC 11
I2C/three-wire
XRST 13
DVDD 14
DVSS 19
AVDD2 23
AVSS2 28
Halftone color decoding
21 BLK2
RAMDAC
24 I
25 B
26 G
27 R

- **Pin Function**

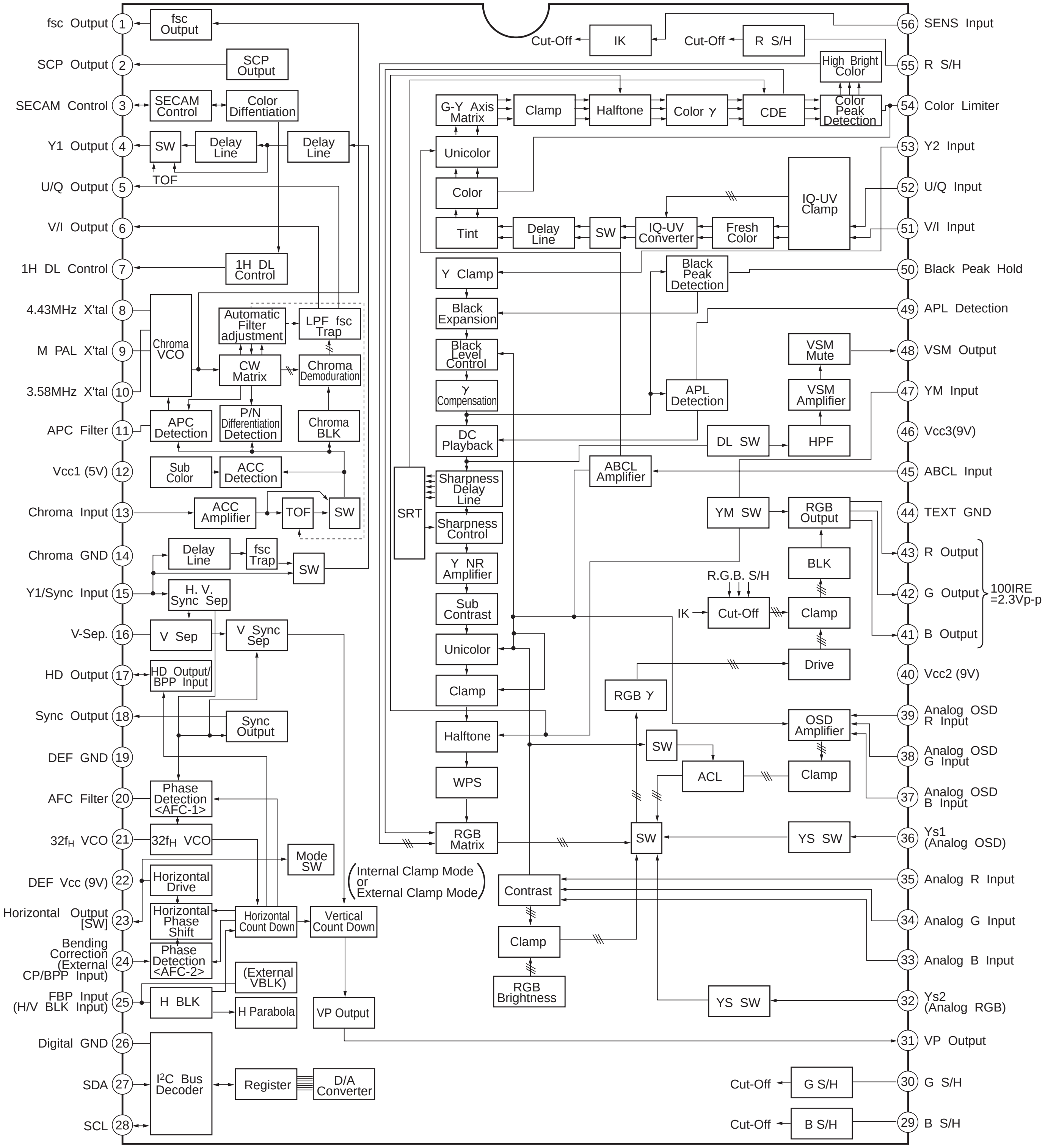
Pin No.	Pin Name	I/O	Function
1	AVSS	—	Ground pin of the analog circuit section.
2	LPF	I	An external low-pass filter is connected.
3	REF	I	The free-running frequency of VCO is determined.
4	OSCIN	I	Oscillation input pin. This pin must be secured to the ground level.
5	OSCOUT	O	Oscillation output pin. (NC)
6	AVDD	—	Pin through which power is supplied to the analog circuit section.
7	ODD	I	Pin through which the field judging signal is input. When the signal goes to “H”, it becomes ODD.
8	H	I	The horizontal synchronization signal is input. (Input polarity can be set.)
9	(NC)	—	
10	(NC)	—	
11	XIIC	I	Mask option function. When the serial three-wire is used, this terminal is usually fixed to “H”.
12	V	I	The vertical synchronization signal is input. (Input polarity can be set.)
13	XRST	I	When set at “L”, the inside of IC is initialized.
14	DVDD	I	Pin through which power is supplied to the digital circuit section.
15	SCL	I	Serial clock input terminal. When set at I^2C, this terminal functions as SCL. When the serial three-wire is used, this terminal functions as the serial clock input terminal.
16	SDA	I/O	Serial data input and output terminal. When set at I^2C, this terminal functions as SDA. When the serial three-wire is used, this terminal functions as the serial data input terminal.
17	XCS	I	Chip select input terminal. When set at I^2C, this terminal is not used; it is fixed to either “L” or “H”. When the serial three-wire is used and this terminal is level “L”, the serial data and serial clock are enabled. When the serial three-wire is used and this terminal is level “H”, the serial data and serial clock are disabled.
18	(NC)	—	
19	DVSS	—	Ground pin of the digital circuit section.
20	DC	O	This terminal can be set to output the dot clock.
21	BLK2	O	This terminal outputs the timing of blanking 2 in the form of positive logic.
22	BLK1	O	This terminal outputs the timing of blanking 1 in the form of positive logic.
23	AVDD2	I	This terminal is the pin through which power is supplied to the DAC output port system.
24	I	O	This terminal outputs the intensity signal.
25	B	O	This terminal outputs the blue signal.
26	G	O	This terminal outputs the green signal.
27	R	O	This terminal outputs the red signal.
28	AVSS2	I	This terminal is the ground pin of the DAC output port system.

■ TA1276AN (VIDEO ASSY: IC5251)

CHROMA SYNC DEFLECTION PROCESSING IC

PAL/NTSC SYSTEM COLOR TV IC

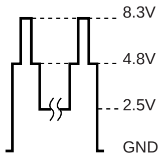
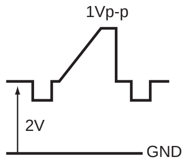
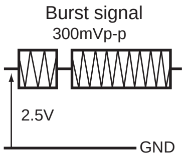
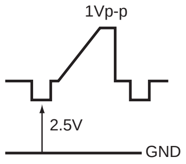
- **Block Diagram**

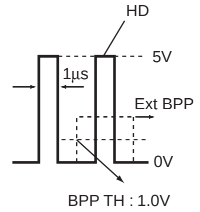
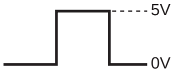
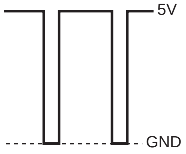
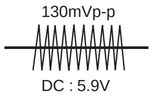
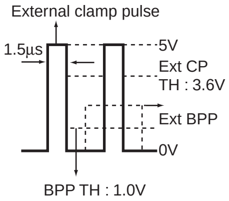
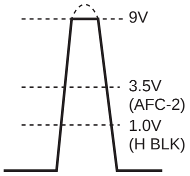

fsc Output 1
SCP Output 2
SECAM Control 3
Y1 Output 4
U/Q Output 5
V/I Output 6
1H DL Control 7
4.43MHz X'tal 8
M PAL X'tal 9
3.58MHz X'tal 10
APC Filter 11
Vcc1 (5V) 12
Chroma Input 13
Chroma GND 14
Y1/Sync Input 15
V-Sep. 16
HD Output 17
Sync Output 18
DEF GND 19
AFC Filter 20
32fH VCO 21
DEF Vcc (9V) 22
Horizontal Output [SW] 23
Bending Correction (External CP/BPP Input) 24
FBP Input (H/V BLK Input) 25
Digital GND 26
SDA 27
SCL 28
56 SENS Input
55 R S/H
54 Color Limiter
53 Y2 Input
52 U/Q Input
51 V/I Input
50 Black Peak Hold
49 APL Detection
48 VSM Output
47 YM Input
46 Vcc3(9V)
45 ABCL Input
44 TEXT GND
43 R Output
42 G Output
41 B Output
100IRE =2.3Vp-p
40 Vcc2 (9V)
39 Analog OSD R Input
38 Analog OSD G Input
37 Analog OSD B Input
36 Ys1 (Analog OSD)
35 Analog R Input
34 Analog G Input
33 Analog B Input
32 Ys2 (Analog RGB)
31 VP Output
30 G S/H
29 B S/H
fsc Output
SCP Output
SECAM Control
Color Diffentiation
SW
Delay Line
Delay Line
TOF
1H DL Control
Chroma VCO
Automatic Filter adjustment
LPF fsc Trap
CW Matrix
Chroma Demoduration
APC Detection
P/N Differentiation Detection
Chroma BLK
Sub Color
ACC Detection
ACC Amplifier
TOF
SW
Delay Line
fsc Trap
SW
H. V. Sync Sep
V Sep
V Sync Sep
HD Output/ BPP Input
Sync Output
Phase Detection <AFC-1>
32fH VCO
Mode SW
Horizontal Drive
Horizontal Phase Shift
Horizontal Count Down
Vertical Count Down
Phase Detection <AFC-2>
(External VBLK)
H BLK
H Parabola
VP Output
I2C Bus Decoder
Register
D/A Converter
Internal Clamp Mode or External Clamp Mode
Cut-Off
IK
Cut-Off
R S/H
High Bright Color
G-Y Axis Matrix
Clamp
Halftone
Color γ
CDE
Color Peak Detection
Unicolor
Color
IQ-UV Clamp
Tint
Delay Line
SW
IQ-UV Converter
Fresh Color
Y Clamp
Black Peak Detection
Black Expansion
Black Level Control
γ Compensation
APL Detection
VSM Mute
VSM Amplifier
DC Playback
DL SW
HPF
SRT
Sharpness Delay Line
ABCL Amplifier
Sharpness Control
YM SW
RGB Output
Y NR Amplifier
BLK
R.G.B. S/H
Sub Contrast
IK
Cut-Off
Clamp
Unicolor
Drive
Clamp
RGB γ
OSD Amplifier
Halftone
SW
ACL
Clamp
WPS
RGB Matrix
SW
YS SW
Contrast
Clamp
RGB Brightness
YS SW
Cut-Off
G S/H
Cut-Off
B S/H

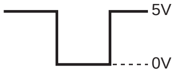
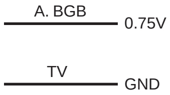
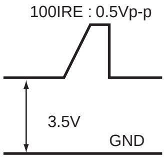
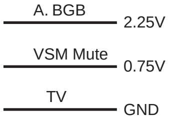
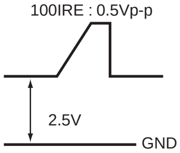
- The double speed mode can be set by connecting Pin 23 to VCC.

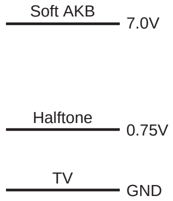
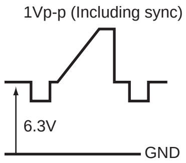
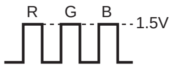
(Note)
[ ] indicates for double speed mode. (External clamp pulse input mode)

- **Pin Function**

Pin No.	Pin Name	I/O	Function	I/O Signal
1	fsc output	O	Outputs the VCXO oscillation waveform. Inputs the 3.58 NTSC signal, and the output DC becomes 3.2V only for color. It is 1.4V for Black/white and other signals.	DC 3.58 NTSC colored:3.2V Black/white/Other system:1.4V AC 0.6 Vp-p
2	SCP output	O	Outputs SCP (Sand Castle Pulse). The output signal is clamp pulse, horizontal blanking pulse, and vertical blanking.	
3	SECAM control	I/O	I/O pin for controlling the SECAM demodulation IC.	When PAL/NTSC:4.0V When SECAM:0.75V
4	Y1 output	O	Outputs the Y signal passed through the fsc TRAP (TRAP can be turned ON/OFF by the bus) and Y delay line circuit.	
5	U/Q output	O	Outputs the B-Y (U) signal or Q signal. Incorporates the LPF for eliminating carrier.	DC 2.5V Rainbow color bar: 360mVp-p
6	V/I output	O	Outputs the R-Y (V) signal and I signal. Incorporates the LPF for eliminating carrier.	DC 2.5V Rainbow color bar:360 mVp-p
7	1H DLcontrol	O	Outputs the PAL/SECAM/NTSC differential results. Maintains the voltage just before for black/white differentiation.	8.4V : PAL 4.3V : SECAM 0V : NTSC
8	4.43MHz X'tal	I	Connected to X'tal.	DC 4.0V 90 mVp-p
9	M PAL X'tal	I		
10	3.58MHz X'tal	I		
11	APC filter	O	Connected to the APC filter for chroma demodulation.	DC
12	VCC1 (5V)	—	VCC of chroma block I^2 bus block.	–
13	Chroma input	I	Chroma input. Input the Y/C separated chroma signal.	
14	Chroma GND	—	Chroma processing block GND.	–
15	Y1/sync input	I	Composite video signal or Y signal input.	
16	V-Sep	O	Connected to the vertical sync separation filter.	DC 6.4V

Pin No.	Pin Name	I/O	Function	I/O Signal
17	HD output	O	(1) When bus HD-OUT=0, outputs the HD pulse imposed with AFC (pulse width:1 us). Also provided with a BPP (black peak detection stop pulse) signal external input function. (2) When bus HD-OUT=1, and AKB is ON, outputs the AKB reference period pulse.	(1)  HD 5V 1µs Ext BPP 0V BPP TH : 1.0V (2) 
18	Sync output	O	Outputs the sync signal separated in the sync separation circuit.	
19	DEF GND	—	DEF block GND.	–
20	AFC filter	O	Connected to the horizontal AFC filter. Determines the horizontal output frequency at the voltage of this pin.	DC
21	32fH VCO	O	Connected to the ceramic oscillator for horizontal oscillation.	 130mVp-p DC : 5.9V
22	DEF VCC (9V)	—	VCC of the DEF block.	–
23	Horizontal output (Mode SW)	O	Horizontal output pin.	HIGH : 3.2V LOW : 0.2V
24	Bending correction (External CP/BPP Input)	I	(1) Normal scan mode Corrects bending of the screen during high voltage changes. (2) Double speed mode Inputs the clamp pulse externally when this mode.	(1) DC 4.5V (2)  External clamp pulse 1.5µs 5V Ext CP TH : 3.6V Ext BPP 0V BPP TH : 1.0V
25	FBP input	I	Inputs the FBP for generating the pulse for horizontal AFC2, Y smoothing, horizontal blanking.	 9V 3.5V (AFC-2) 1.0V (H BLK)
26	Digital GND	—	I^{2}L block GND pin.	–
27	SDA	I/O	I^{2}C bus SDA pin.	–
28	SCL	I	I^{2}C bus SCL pin.	–

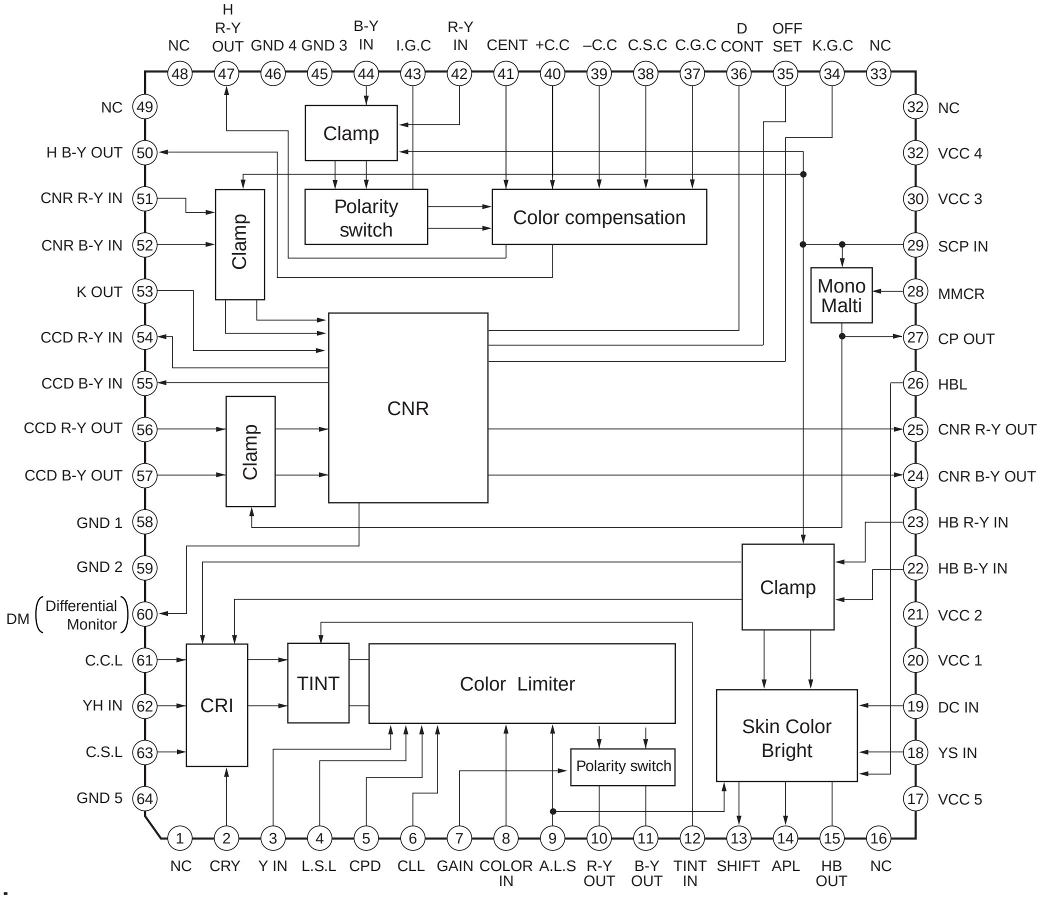
Pin No.	Pin Name	I/O	Function	I/O Signal
29	B S/H	O	S/H (sample hold) pin for AKB mode or clamp mode.	DC
30	G S/H	O	S/H (sample hold) pin for AKB mode or clamp mode.	DC
31	VP output	O	Vertical pulse output.	
32	YS2	I	Switch for switching the internal RGB signal and analog RGB (pins 33, 34, 35). The VM output is muted when YS2 SW is ON.	
33	Analog B input	I	Analog RGB input pins.	
34	Analog G input	I		
35	Analog R input	I		
36	YS1	I	Switch for switching between the internal RGB signal and OSD/ analog RGB (pins 37, 38, 39). The VSM output is muted when YS1 SW is ON.	
37	Analog OSD B input	I	OSD signal or analog RGB input pins.	
38	Analog OSD G input	I		
39	Analog OSD R input	I		
40	VCC2 (9V)	—	Text block VCC pin.	–
41	B output	O	RGB output.	 At Cont Max. BRT Cent.
42	G output	O		
43	R output	O		
44	TEXT GND	—	TEXT block GND pin.	–
45	ABCL input	I	External unicolor, brightness, dynamic ABL control pin.	ABCL OFF: Higher than 6V
46	VCC3 (9V)	—	VCC pin of the picture quality and color difference block.	–

Pin No.	Pin Name	I/O	Function	I/O Signal
47	YM input	I	Internal RGB signal halftone SW.	
48	VSM output	O	Outputs the DC played back Y signal which had passed through HPF. The output is muted by the pins 32 and 36 switches.	DC 3.5V
49	APL detection	O	Connected to the filter for correcting the DC playback rates.	DC
50	Black peak hold	I	Connected to the filter for controlling the black expansion gain of the black expansion circuit.	DC
51	V/I input	I	Pin for inputting the R-Y (V)/I signal and B-Y (U)/Q signal.	When Burst:Chroma=1:1: 360 mVp-p DC: 5.0V
52	U/Q input	I		
53	Y2 input	I	Pin for inputting the Y signal.	
54	Color limiter	O	Connected to the filter for detecting the color limit.	DC
55	R S/H	O	Same as pins 29 and 30.	DC
56	SENSE input	I	Inputs the IK feedback signal from the CRT.	

■ AN5344FBP (SUB VIDEO ASSY: IC4201)

COLOR CONTROL IC

- **Block Diagram**


NC 48
H R-Y OUT 47
GND 4 46
GND 3 45
B-Y IN 44
I.G.C 43
R-Y IN 42
CENT 41
+C.C 40
–C.C 39
C.S.C 38
C.G.C 37
D CONT 36
OFF SET 35
K.G.C 34
NC 33
NC 49
H B-Y OUT 50
CNR R-Y IN 51
CNR B-Y IN 52
K OUT 53
CCD R-Y IN 54
CCD B-Y IN 55
CCD R-Y OUT 56
CCD B-Y OUT 57
GND 1 58
GND 2 59
DM (Differential Monitor) 60
C.C.L 61
YH IN 62
C.S.L 63
GND 5 64
32 NC
32 VCC 4
30 VCC 3
29 SCP IN
28 MMCR
27 CP OUT
26 HBL
25 CNR R-Y OUT
24 CNR B-Y OUT
23 HB R-Y IN
22 HB B-Y IN
21 VCC 2
20 VCC 1
19 DC IN
18 YS IN
17 VCC 5
1 NC
2 CRY
3 Y IN
4 L.S.L
5 CPD
6 CLL
7 GAIN
8 COLOR IN
9 A.L.S
10 R-Y OUT
11 B-Y OUT
12 TINT IN
13 SHIFT
14 APL
15 HB OUT
16 NC
Clamp
Polarity switch
Color compensation
Clamp
Mono Malti
CNR
Clamp
Clamp
CRI
TINT
Color Limiter
Polarity switch
Skin Color Bright

- **Pin Function**

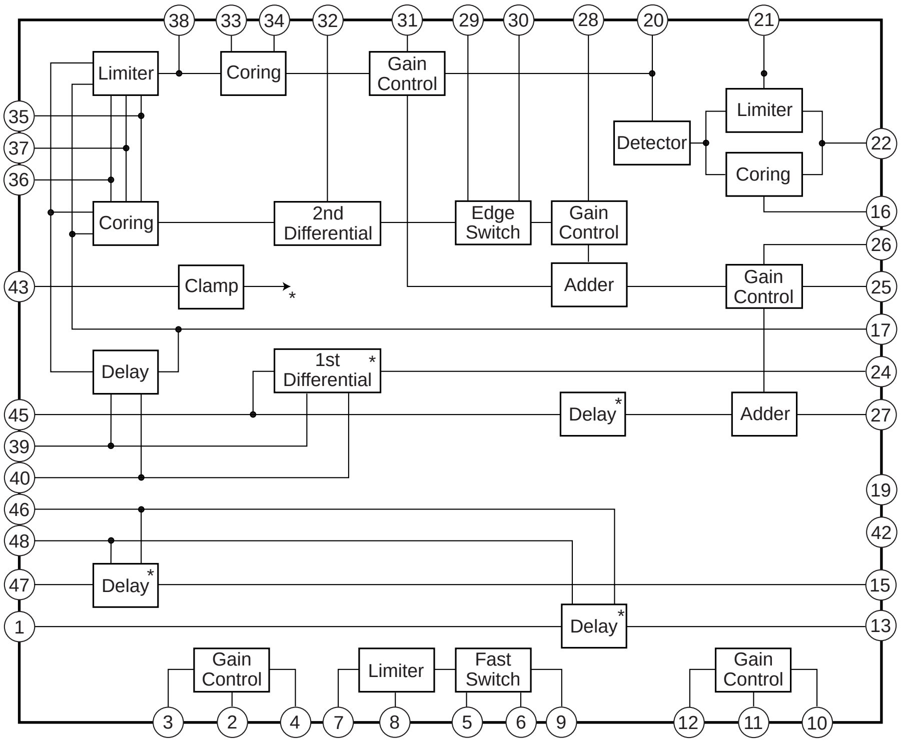
Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
1	NC	—	NC	19	DC IN	I	External DC input
2	CRI	I	CRI correction amount	20	VCC 1	—	VCC1 (Main)
3	Y IN	I	Y input	21	VCC 2	—	VCC2 (Clamp system)
4	L.S.L	I	Limit slice level	22	HB B-Y IN	I	Skin color bright B-Y input
5	CPD	I	Color peak detection	23	HB R-Y IN	I	Skin color bright R-Y input
6	CLL	I	Color limit level	24	CNR B-Y OUT	O	CNR B-Y output
7	GAIN	I	Output polarity gain control	25	CNR R-Y OUT	O	CNR R-Y output
8	COLOR IN	I	Color control voltage	26	HBL	—	(Skin color bright correction amount) NC
9	A.L.S	I	APL connection limiter switch	27	CP OUT	—	Clamp pulse output
10	R-Y OUT	O	R-Y output	28	MMCR	I	Monostable multivibrator CR
11	B-Y OUT	O	B-Y output	29	SCP IN	I	SCP input
12	TINT IN	I	Tint control voltage	30	VCC 3	—	VCC3 (B-Y system)
13	SHIFT	O	APL shift adjustment	31	VCC 4	—	VCC4 (R-Y system)
14	APL	O	APL detection	32	NC	—	NC
15	HB OHT	—	(Skin color bright output) NC	33	NC	—	NC
16	NC	—	NC	34	K.G.C	—	(K calculation gain control) NC
17	VCC 5	—	VCC5 (For CNR)	35	OFFSET	I	Offset control
18	YS IN	I	YS input	36	D CONT	—	(Differential control) NC

Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
37	C.G.C	I	Color compensation gain control	51	CNR R-Y IN	I	CNR R-Y input
38	C.S.C	I	Color compensation stop control	52	CNR B-Y IN	I	CNR B-Y input
39	– C.C	I	– side compensation control	53	K CONT	I	K control
40	+ C.C	I	+ side compensation control	54	CCD R-Y IN	—	(CCD R-Y input) NC
41	CENT	I	Center axis control	55	CCD B-Y IN	—	(CCD B-Y input) NC
42	R-Y IN	I	R-Y input	56	CCD R-Y OUT	O	CCD R-Y output
43	I.G.C	I	Input polarity gain control	57	CCD B-Y OUT	O	CCD B-Y output
44	B-Y IN	I	B-Y input	58	GND 1	—	GND1 (Main)
45	GND	—	GND 3 (B-Y system)	59	GND 2	—	GND2 (Clamp system)
46	GND	—	GND 4 (R-Y system)	60	DM	—	(Differential monitor) NC
47	H R-Y OUT	O	Skin color compensation R-Y output	61	C.C.L	I	CRI core ring level
48	NC	—	NC	62	YH IN	I	Y high band input
49	NC	—	NC	63	C.S.L	I	CRI slice level
50	H B-Y OUT	O	Skin color compensation B-Y output	64	GND	—	GND5 (For CNR)

■ AN5395FBP (SUB VIDEO ASSY: IC4401)

HDTV IC

- **Block Diagram**


38
33
34
32
31
29
30
28
20
21
Limiter
Coring
Gain Control
Limiter
Detector
Coring
35
37
36
22
16
26
Coring
2nd Differential
Edge Switch
Gain Control
43
Clamp
*
Adder
Gain Control
25
17
Delay
1st Differential *
24
45
Delay *
Adder
27
39
40
19
46
42
48
47
Delay *
15
1
Delay *
13
Gain Control
Limiter
Fast Switch
Gain Control
3
2
4
7
8
5
6
9
12
11
10

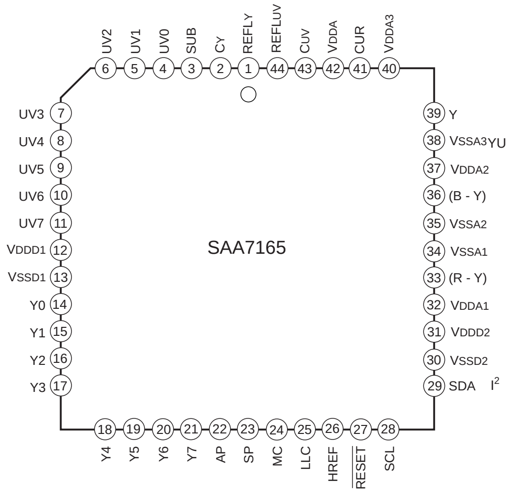
- **Pin Function**

Pin No.	Function	I/O	Pin No.	Function	I/O
1	PR input	I	25	Sharpness mute control	I
2	VM preamplifier gain control	I	26	Sharpness control	I
3	VM preamplifier input	I	27	Y output	O
4	VM preamplifier output	O	28	Contour gain control	I
5	Sub screen Ys input	I	29	Contour bias	I
6	Ys input	I	30	Secondary differential input	I
7	VM limiter amplifier input	I	31	Minute part gain control	I
8	VM limiter amplifier gain control	I	32	Post-correction primary differential output	O
9	VM limiter amplifier output	O	33	Minute part core ring control	I
10	Sub screen amplifier output	O	34	Minute part core ring bias	I
11	Sub screen amplifier gain control	I	35	Differential signal bias 1	I
12	Sub screen amplifier output	O	36	Contour, minute part separation level control	I
13	PR output	O	37	Differential signal bias 2	I
14	NC	—	38	Minute part limiter output	O
15	PB output	O	39	Y delay line switching switch 1	I
16	DSC large signal gain control	I	40	Y delay line switching switch 2	I
17	Pre-correction primary differential input	I	41	NC	—
18	NC	—	42	GND	—
19	VCC	—	43	Clamp pulse input	I
20	DSC detection output	O	44	NC	—
21	DSC small signal gain control	I	45	Y input	I
22	DSC input	I	46	C delay line switching switch 1	I
23	DSC bias	I	47	PB input	I
24	Pre-correction primary differential output	O	48	C delay line switching switch 2	I

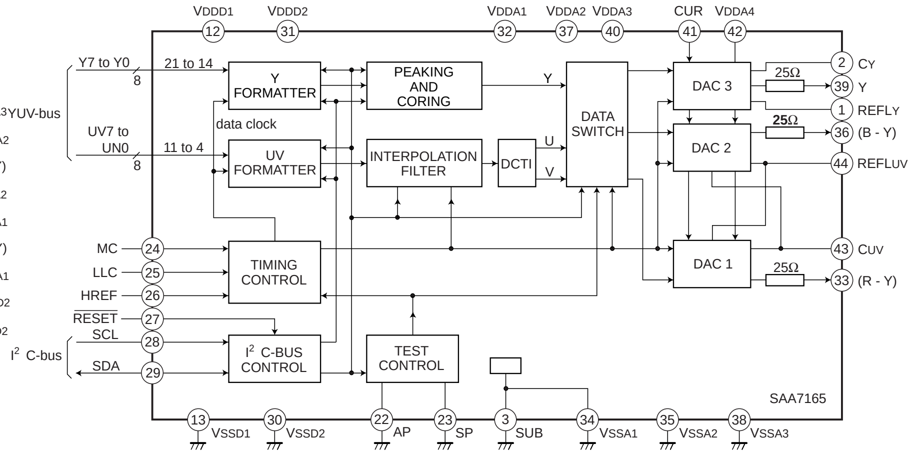
■ SAA7165WP (SUB VIDEO ASSY: IC4702)

VIDEO ENHANCEMENT D/A

- **Pin Assignment**


SAA7165
UV2 6
UV1 5
UV0 4
SUB 3
CY 2
REFLY 1
REFLUV 44
CUV 43
VDDA 42
CUR 41
VDDA3 40
UV3 7
UV4 8
UV5 9
UV6 10
UV7 11
VDDD1 12
VSSD1 13
Y0 14
Y1 15
Y2 16
Y3 17
39 Y
38 VSSA3
37 VDDA2
36 (B - Y)
35 VSSA2
34 VSSA1
33 (R - Y)
32 VDDA1
31 VDDD2
30 VSSD2
29 SDA
Y4 18
Y5 19
Y6 20
Y7 21
AP 22
SP 23
MC 24
LLC 25
HREF 26
RESET 27
SCL 28

- **Block Diagram**


VDDD1 12
VDDD2 31
VDDA1 32
VDDA2 37
VDDA3 40
CUR 41
VDDA4 42
YUV-bus
Y7 to Y0
8
21 to 14
UV7 to UN0
8
11 to 4
Y FORMATTER
data clock
UV FORMATTER
PEAKING AND CORING
INTERPOLATION FILTER
DCTI
U
V
Y
DATA SWITCH
DAC 3
DAC 2
DAC 1
25Ω
25Ω
25Ω
2 CY
39 Y
1 REFLY
36 (B - Y)
44 REFLUV
43 CUV
33 (R - Y)
MC 24
LLC 25
HREF 26
RESET 27
SCL 28
SDA 29
I2 C-bus
TIMING CONTROL
I2 C-BUS CONTROL
TEST CONTROL
SAA7165
13 VSSD1
30 VSSD2
22 AP
23 SP
3 SUB
34 VSSA1
35 VSSA2
38 VSSA3

- **Pin Function**

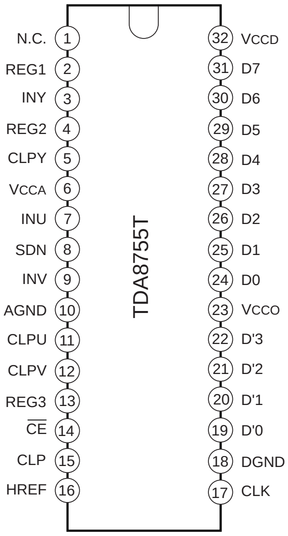
Pin No.	Pin Name	I/O	Function
1	REFL Y	I	Low reference of luminance DAC (connected to VSS A1)
2	CY	I	Capacitor for luminance DAC (high reference)
3	SUB	I	Substrate (connected to VSS A1)
4	UV0	I	UV signal input bit UV7 (digital color-difference signal)
5	UV1	I	UV signal input bit UV6 (digital color-difference signal)
6	UV2	I	UV signal input bit UV5 (digital color-difference signal)
7	UV3	I	UV signal input bit UV4 (digital color-ifference signal)
8	UV4	I	UV signal input bit UV3 (digital color-difference signal)
9	UV5	I	UV signal input bit UV2 (digital color-difference signal)
10	UV6	I	UV signal input bit UV1 (digital color-difference signal)
11	UV7	I	UV signal input bit UV0 (digital color-difference signal)
12	VDD D1	—	+5V digital supply voltage 1
13	VSS D1	—	Digital ground 1 (0 V)
14	Y0	I	Y signal input bit Y7 (digital luminance signal)
15	Y1	I	Y signal input bit Y6 (digital luminance signal)
16	Y2	I	Y signal input bit Y5 (digital luminance signal)
17	Y3	I	Y signal input bit Y4 (digital luminance signal)
18	Y4	I	Y signal input bit Y3 (digital luminance signal)
19	Y5	I	Y signal input bit Y2 (digital luminance signal)
20	Y6	I	Y signal input bit Y1 (digital luminance signal)
21	Y7	I	Y signal input bit Y0 (digital luminance signal)
22	AP	—	Connected to ground (action pin for testing)
23	SP	—	Connected to ground (shift pin for testing)
24	MC	I	Data cloack CREF (e.g.13.5MHz); at MC=HIGH, the LLC driver-by-two is inactive
25	LLC	I	Line-locked clock signal (LL27=27MHz)
26	HREF	I	Data clock for YUV data inputs (for active line 768Y or 640Y long)
27	$\overline{\text{RESET}}$	I	Reset input (active LOW)

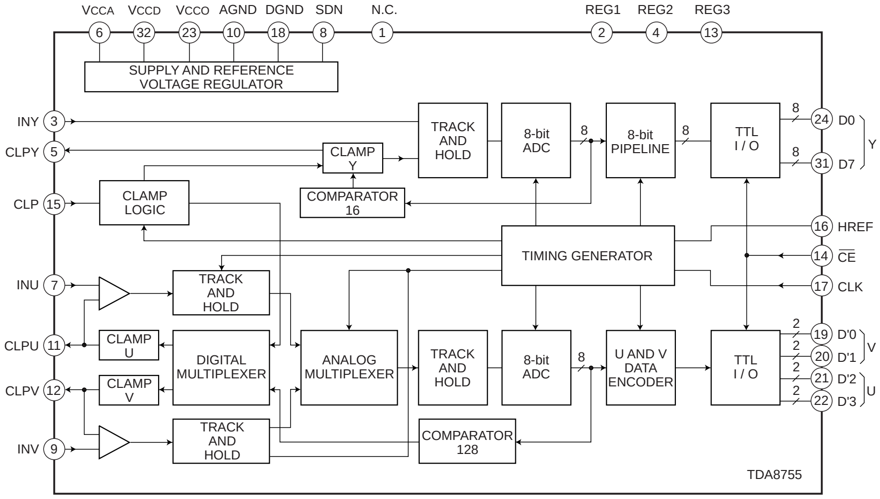
Pin No.	Pin Name	I/O	Function
28	SCL	I	I²C-bus clock line
29	SDA	I	I²C-bus data line
30	VSS D2	—	Digital ground 2(0V)
31	VDD D2	—	+5V digital supply voltage 2
32	VDD A1	—	+5V analog supply voltage for buffer of DAC 1
33	(R-Y)	O	± (R-Y) output signal (analog signal)
34	VSS A1	—	Analog ground 1(0V)
35	VSS A2	—	Analog ground 2(0V)
36	(B-Y)	O	± (B-Y) output signal (analog color-difference signal)
37	VDD A2	—	+5V analog supply voltage for buffer of DAC 2
38	VSS A2	—	Analog ground 3 (0V)
39	Y	O	Y output signal (analog luminance signal)
40	VDD A3	—	+5V analog supply voltage for buffer of DAC 3
41	CUR	I	Current input for analog output buffers
42	VDD A4	—	Supply and reference voltage for the three DAC S
43	C UV	I	Capacitor for chrominance DAC S (high reference)
44	REF L UV	I	Low reference of chrominance DAC S (connected to VSS A1)

■ TDA8755T (SUB VIDEO ASSY: IC4703)

VIDEO A/D CONVERTER

- **Pin Assignment**
- **Block Diagram**


TDA8755T
N.C. 1
REG1 2
INY 3
REG2 4
CLPY 5
VCCA 6
INU 7
SDN 8
INV 9
AGND 10
CLPU 11
CLPV 12
REG3 13
CE 14
CLP 15
HREF 16
CLK 17
DGND 18
D'0 19
D'1 20
D'2 21
D'3 22
VCCO 23
D0 24
D1 25
D2 26
D3 27
D4 28
D5 29
D6 30
D7 31
VCCD 32


VCCA 6
VCCD 32
VCCO 23
AGND 10
DGND 18
SDN 8
N.C. 1
REG1 2
REG2 4
REG3 13
SUPPLY AND REFERENCE VOLTAGE REGULATOR
INY 3
CLPY 5
CLP 15
INU 7
CLPU 11
CLPV 12
INV 9
CLAMP Y
CLAMP LOGIC
COMPARATOR 16
TRACK AND HOLD
8-bit ADC
8-bit PIPELINE
TTL I / O
8
D0 24
D7 31
Y
HREF 16
CE 14
CLK 17
TIMING GENERATOR
CLAMP U
CLAMP V
DIGITAL MULTIPLEXER
ANALOG MULTIPLEXER
U AND V DATA ENCODER
COMPARATOR 128
2
D'0 19
D'1 20
D'2 21
D'3 22
V
U
TDA8755

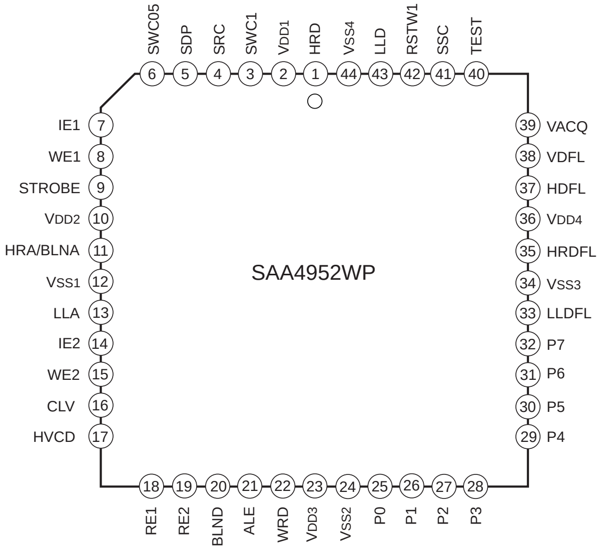
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	NC	—	Not connected
2	REG1	I	Decoupling input (internal stabilization loop decoupling)
3	INY	I	Y analog voltage input
4	REG2	I	Decoupling input (internal stabilization loop decoupling)
5	CLPY	O	Y clamp capacitor connection
6	VCC A	—	Analog positive supply voltage (+5V)
7	INU	I	U analog voltage input
8	SDN	O	Stabilizer decoupling node and analog reference voltage (+3.35 V)
9	INV	I	V analog voltage input
10	AGND	—	Analog ground
11	CLPU	O	U clamp capacitor connection
12	CLPV	O	V clamp capacitor connection
13	REG3	I	Decoupling input (internal stabilization loop decoupling)
14	CE	I	Chip enable input (TTL level input active LOW)
15	CLP	I	Clamp control input
16	HREF	I	Horizontal reference signal
17	CLK	I	Clock input
18	DGND	—	Digital ground
19	D'0	O	V data output; bit 0 (n-1)
20	D'1	O	V data output; bit 1 (n)
21	D'2	O	U data output; bit 0 (n-1)
22	D'3	O	U data output; bit 1 (n)
23	VCC O	—	Positive supply voltage for output stages (+5V)
24	D0	O	Y data output; blt 0 (LSB)
25	D1	O	Y data output; blt 1
26	D2	O	Y data output; blt 2
27	D3	O	Y data output; blt 3
28	D4	O	Y data output; blt 4
29	D5	O	Y data output; blt 5
30	D6	O	Y data output; blt 6
31	D7	O	Y data output; blt 7 (MSB)
32	VCC D	—	Digital positive supply voltage (+5V)

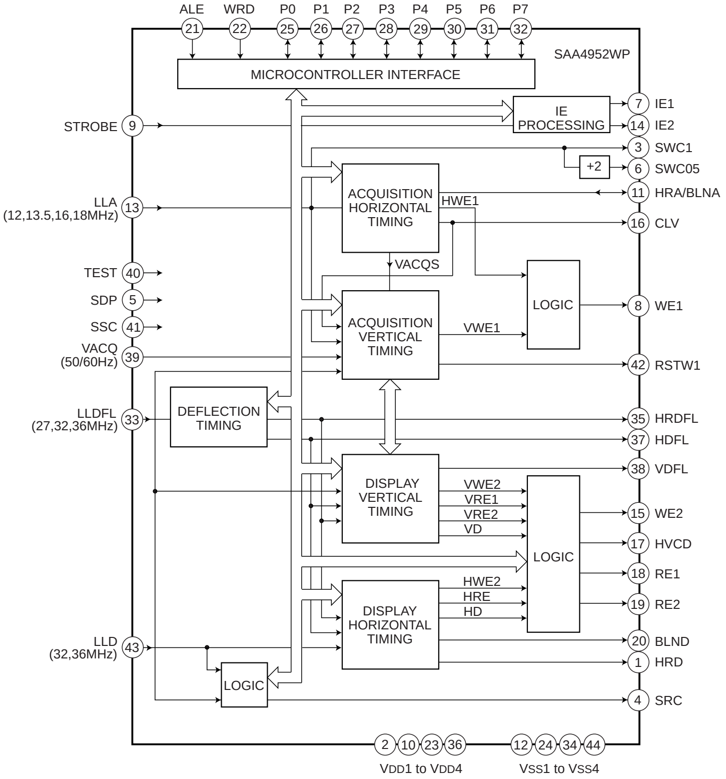
■ SAA4952WP (SUB VIDEO ASSY: IC4704)

MEMORY CONTROLLER

• Pin Assignment


SWC05 6
SDP 5
SRC 4
SWC1 3
VDD1 2
HRD 1
VSS4 44
LLD 43
RSTW1 42
SSC 41
TEST 40
IE1 7
WE1 8
STROBE 9
VDD2 10
HRA/BLNA 11
VSS1 12
LLA 13
IE2 14
WE2 15
CLV 16
HVCD 17
39 VACQ
38 VDFL
37 HDFL
36 VDD4
35 HRDFL
34 VSS3
33 LLDFL
32 P7
31 P6
30 P5
29 P4
SAA4952WP
18 RE1
19 RE2
20 BLND
21 ALE
22 WRD
23 VDD3
24 VSS2
25 P0
26 P1
27 P2
28 P3

• Block Diagram


ALE 21
WRD 22
P0 25
P1 26
P2 27
P3 28
P4 29
P5 30
P6 31
P7 32
SAA4952WP
MICROCONTROLLER INTERFACE
IE PROCESSING
7 IE1
14 IE2
3 SWC1
+2
6 SWC05
11 HRA/BLNA
16 CLV
STROBE 9
LLA (12,13.5,16,18MHz) 13
ACQUISITION HORIZONTAL TIMING
HWE1
VACQS
TEST 40
SDP 5
SSC 41
VACQ (50/60Hz) 39
ACQUISITION VERTICAL TIMING
VWE1
LOGIC
8 WE1
42 RSTW1
LLDFL (27,32,36MHz) 33
DEFLECTION TIMING
35 HRDFL
37 HDFL
38 VDFL
DISPLAY VERTICAL TIMING
VWE2
VRE1
VRE2
VD
LOGIC
15 WE2
17 HVCD
18 RE1
19 RE2
DISPLAY HORIZONTAL TIMING
HWE2
HRE
HD
20 BLND
1 HRD
LLD (32,36MHz) 43
LOGIC
4 SRC
2 10 23 36
VDD1 to VDD4
12 24 34 44
VSS1 to VSS4

• Pin Function

Pin No.	Pin Name	I/O	Function
1	HRD	O	Horizontal reference signal output (display PLL)
2	VDD 1	—	Supply voltage 1
3	SWC1	O	Serial write clock output for memory 1
4	SRC	O	Serial read clock output
5	SDP	I	Select deflection processor input
6	SWC05	O	Serial write clock output,SWC1 divided-by-2
7	IE1	O	Input enable signal output (memory 1)
8	WE1	O	Write enable signal output (memory 1)
9	STROBE	I	Strobe signal input
10	VCC 2	—	Supply voltage 2
11	HRA/BLNA	I/O	Horizontal reference signal output (acquisition part)/horizontal blanking signal input,reset for horizontal acquisition counters(acquisition part)
12	VSS 1	—	Ground 1
13	LLA	I	Line- locked cloack signal input (acquisition part)
14	IE2	O	Input enable signal output (memory 2)
15	WE2	O	Write enable signal output (memory 2)
16	CLV	O	Horizontal signal output (acquisition part)
17	HVCD	O	Horizontal,vertical or composite blanking signal output (display part)
18	RE1	O	Read enable signal output (memory 1)

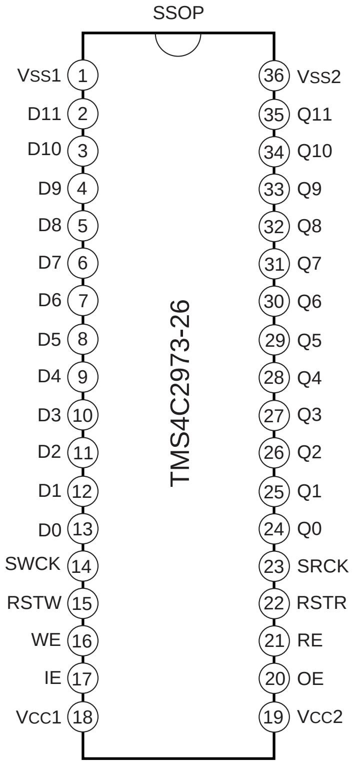
- **Pin Function**

Pin No.	Pin Name	I/O	Function
19	RE2	O	Read enable signal output (memory 2)
20	BLND	O	Horizontal branking signal output (display part)
21	ALE	I	Address latch enable signal input
22	WRD	I	Wrirw/read data signal input
23	VCC 2	—	Supply voltage 3
24	VSS 2	—	Ground 2
25	P0	I/O	Data input/output signal bit 0
26	P1	I/O	Data input/output signal bit 1
27	P2	I/O	Data input/output signal bit 2
28	P3	I/O	Data input/output signal bit 3
29	P4	I/O	Data input/output signal bit 4
30	P5	I/O	Data input/output signal bit 5
31	P6	I/O	Data input/output signal bit 6
32	P7	I/O	Data input/output signal bit 7(MSB = Most Significant Bit)
33	LLDFL	I	Line-locked clock signal input (deflection part)
34	VSS 3	—	Ground 3
35	HRDFL	O	Horizontal reference signal output (deflection part)
36	VDD 4	—	Supply voltage 4
37	HDFL	O	Horizontal synchronization signal output (deflection part)
38	VDFL	O	Vertical synchronization signal output (deflection part)
39	VACQ	I	Vertical synchronization signal input (deflection part)
40	TEST	I	Test input
41	SSC	I	Select signal clock system input
42	RSTW1	O	Reset write signal output (memory 1)
43	LLD	I	Line-locked clock signal input (display part)
44	VSS 4	—	Ground 4

TMS4C2973-26 (SUB VIDEO ASSY: IC4705, IC4706)

2.9M FIELD MEMORY

• Pin Assignment


SSOP
TMS4C2973-26
Vss1 1
D11 2
D10 3
D9 4
D8 5
D7 6
D6 7
D5 8
D4 9
D3 10
D2 11
D1 12
D0 13
SWCK 14
RSTW 15
WE 16
IE 17
Vcc1 18
Vcc2 19
OE 20
RE 21
RSTR 22
SRCK 23
Q0 24
Q1 25
Q2 26
Q3 27
Q4 28
Q5 29
Q6 30
Q7 31
Q8 32
Q9 33
Q10 34
Q11 35
Vss2 36

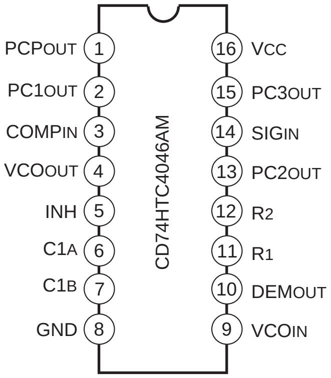
• Pin Function

Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
1	Vss1	—	Ground	19	Vcc2	—	3.3V power supply voltage
2	D11	I	Data input	20	OE	I	Output enable
3	D10	I	Data input	21	RE	I	Read enable
4	D9	I	Data input	22	RSTR	I	Serial read clock
5	D8	I	Data input	23	SRCK	I	Reset read
6	D7	I	Data input	24	Q0	O	Data output
7	D6	I	Data input	25	Q1	O	Data output
8	D5	I	Data input	26	Q2	O	Data output
9	D4	I	Data input	27	Q3	O	Data output
10	D3	I	Data input	28	Q4	O	Data output
11	D2	I	Data input	29	Q5	O	Data output
12	D1	I	Data input	30	Q6	O	Data output
13	D0	I	Data input	31	Q7	O	Data output
14	SWCK	I	Serial write clock	32	Q8	O	Data output
15	RSTW	I	Reset write	33	Q9	O	Data output
16	WE	I	Write enable	34	Q10	O	Data output
17	IE	I	Input enable	35	Q11	O	Data output
18	Vcc1	—	3.3V power supply voltage	36	Vss2	—	Ground

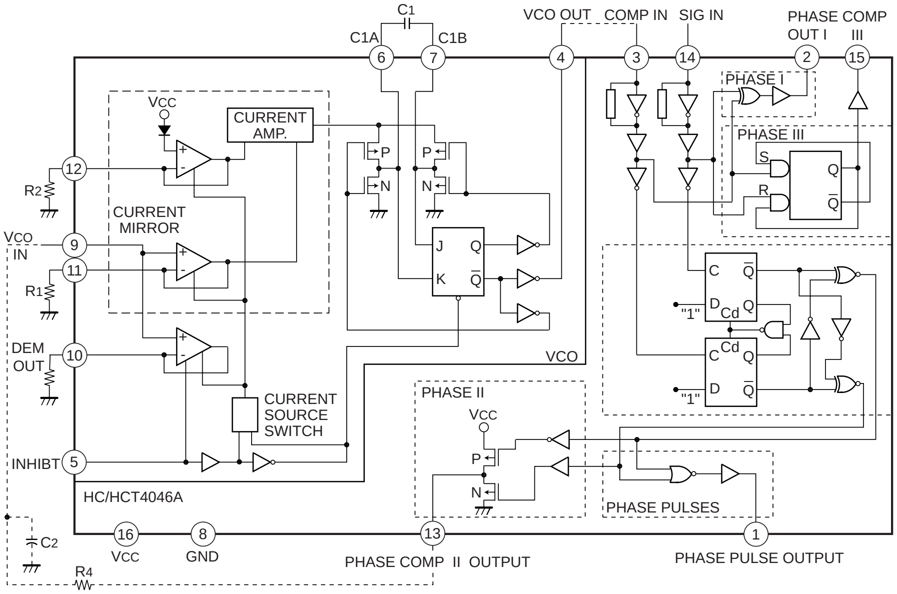
■ CD74HCT4046AM (SUB VIDEO ASSY: IC4713)

PLL IC

- **Pin Assignment**


PCPOUT 1
PC1OUT 2
COMPIN 3
VCOOUT 4
INH 5
C1A 6
C1B 7
GND 8
16 VCC
15 PC3OUT
14 SIGIN
13 PC2OUT
12 R2
11 R1
10 DEMOUT
9 VCOIN
CD74HTC4046AM

- **Block Diagram**


C1
C1A
C1B
VCO OUT
COMP IN
SIG IN
PHASE COMP OUT I
III
6
7
4
3
14
2
15
PHASE I
PHASE III
VCC
CURRENT AMP.
12
R2
CURRENT MIRROR
VCO IN
9
11
R1
DEM OUT
10
P
N
J
K
Q
Q
S
R
C
D
Cd
"1"
VCO
CURRENT SOURCE SWITCH
PHASE II
INHIBT
5
HC/HCT4046A
PHASE PULSES
C2
R4
16
VCC
8
GND
13
PHASE COMP II OUTPUT
1
PHASE PULSE OUTPUT

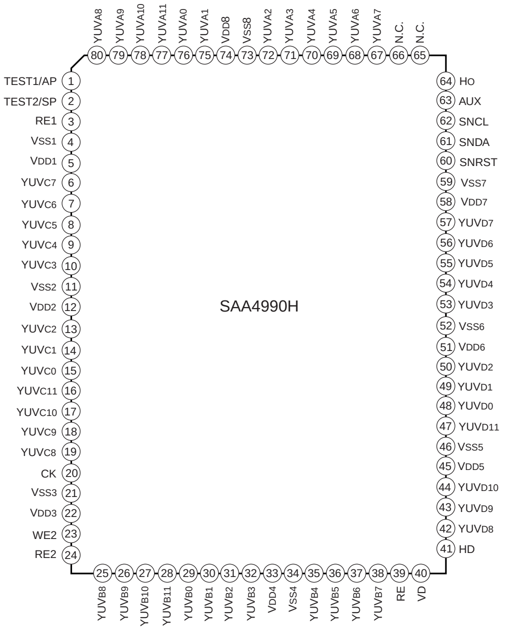
- **Pin Function**

Pin No.	Pin Name	I/O	Function	Pin No.	Pin Name	I/O	Function
1	PCPOUT	—	Phase comparator pulse output	9	VCOIN	—	VCO input
2	PC1OUT	—	Phase comparator 1 output	10	DEMOUT	—	Demodulator output
3	COMPIN	I	Comparator input	11	R1	—	Resistor R1 connection
4	VCOOUT	—	VCO output	12	R2	—	Resistor R2 connection
5	INH	I	Inhibit input	13	PC2OUT	O	Phase comparator 2 output
6	C1A	—	Capacitor C1 connection A	14	SIGIN	I	Signal input
7	C1B	—	Capacitor C1 connection B	15	PC3OUT	—	Phase comparator 3 output
8	GND	—	Ground(0V)	16	Vcc	—	Positive supply voltage

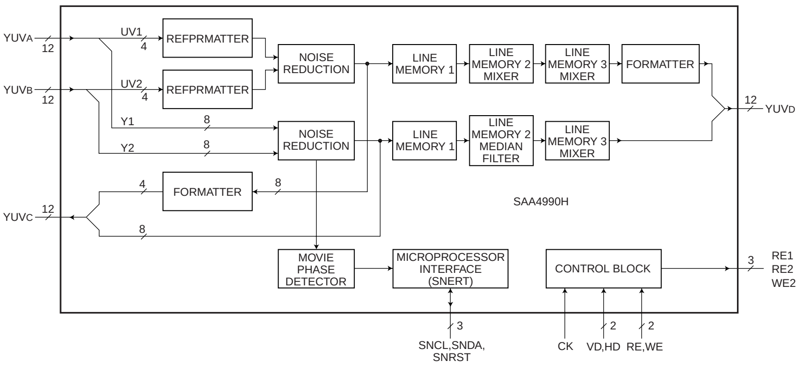
■ SAA4990H (SUB VIDEO ASSY: IC4719)

PROZONIC IC

● Pin Assignment


SAA4990H
80 YUVA8
79 YUVA9
78 YUVA10
77 YUVA11
76 YUVA0
75 YUVA1
74 VDD8
73 VSS8
72 YUVA2
71 YUVA3
70 YUVA4
69 YUVA5
68 YUVA6
67 YUVA7
66 N.C.
65 N.C.
1 TEST1/AP
2 TEST2/SP
3 RE1
4 VSS1
5 VDD1
6 YUVC7
7 YUVC6
8 YUVC5
9 YUVC4
10 YUVC3
11 VSS2
12 VDD2
13 YUVC2
14 YUVC1
15 YUVC0
16 YUVC11
17 YUVC10
18 YUVC9
19 YUVC8
20 CK
21 VSS3
22 VDD3
23 WE2
24 RE2
64 HO
63 AUX
62 SNCL
61 SNDA
60 SNRST
59 VSS7
58 VDD7
57 YUVD7
56 YUVD6
55 YUVD5
54 YUVD4
53 YUVD3
52 VSS6
51 VDD6
50 YUVD2
49 YUVD1
48 YUVD0
47 YUVD11
46 VSS5
45 VDD5
44 YUVD10
43 YUVD9
42 YUVD8
41 HD
25 YUVB8
26 YUVB9
27 YUVB10
28 YUVB11
29 YUVB0
30 YUVB1
31 YUVB2
32 YUVB3
33 VDD4
34 VSS4
35 YUVB4
36 YUVB5
37 YUVB6
38 YUVB7
39 RE
40 VD

● Block Diagram


YUVA
12
YUVB
12
YUVC
12
UV1
4
UV2
4
Y1
8
Y2
8
REFPRMATTER
REFPRMATTER
NOISE REDUCTION
NOISE REDUCTION
LINE MEMORY 1
LINE MEMORY 2 MIXER
LINE MEMORY 3 MIXER
FORMATTER
LINE MEMORY 1
LINE MEMORY 2 MEDIAN FILTER
LINE MEMORY 3 MIXER
12
YUVD
4
FORMATTER
8
8
SAA4990H
MOVIE PHASE DETECTOR
MICROPROCESSOR INTERFACE (SNERT)
CONTROL BLOCK
3
RE1
RE2
WE2
3
SNCL,SNDA, SNRST
2
2
CK
VD,HD
RE,WE

● Pin Function

Pin No.	Pin Name	I/O	Function
1	TEST1/AP	I	Action pin for testing to be connected to Vss
2	TEST2/SP	I	Shift pin for testing to be connected to Vss
3	RE1	O	Read enable to FM1
4	VSS 1	—	Ground 1
5	VDD 1	—	Supply voltage 1
6	YUV C7	O	Y bit 7 to FM2
7	YUV C6	O	Y bit 6 to FM2
8	YUV C5	O	Y bit 5 to FM2
9	YUV C4	O	Y bit 4 to FM2
10	YUV C3	O	Y bit 3 to FM2
11	VSS 2	—	Ground 2
12	VDD 2	—	Supply voltage 2
13	YUV C2	O	Y bit 2 to FM2
14	YUV C1	O	Y bit 1 to FM2
15	YUV C0	O	Y bit 0 to FM2
16	YUV C11	O	UV bit 3 to FM2
17	YUV C10	O	UV bit 2 to FM2
18	YUV C9	O	UV bit 1 to FM2
19	YUV C8	O	UV bit 0 to FM2
20	CK	I	Master clock,nominal 27 or 32 MHz
21	VSS 3	—	Ground 3
22	VDD 3	—	Supply voltage 3
23	WE2	O	Write enable to FM2
24	RE2	O	Read enable to FM2

- **Pin Function**

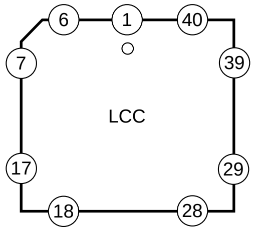
Pin No.	Pin Name	I/O	Function
25	YUV B8	I	UV bit 0 from FM2
26	YUV B9	I	UV bit 1 from FM2
27	YUV B10	I	UV bit 2 from FM2
28	YUV B11	I	UV bit 3 from FM2
29	YUV B0	I	Y bit 0 from FM2
30	YUV B1	I	Y bit 1 from FM2
31	YUV B2	I	Y bit 2 from FM2
32	YUV B3	I	Y bit 3 from FM2
33	VDD 4	—	Supply voltage 4
34	VSS 4	—	Ground 4
35	YUV B4	I	Y bit 4 from FM2
36	YUV B5	I	Y bit 5 from FM2
37	YUV B6	I	Y bit 6 from FM2
38	YUV B7	I	Y bit 7 from FM2
39	RE	I	Master read enable
40	VD	I	Field frequent reset, vertical display
41	HD	I	Horizontal reference signal
42	YUV D8	O	UV bit 0
43	YUV D9	O	UV bit 1
44	YUV D10	O	UV bit 2
45	VDD 5	—	Supply voltage 5
46	VSS 5	—	Ground 5
47	YUV D11	O	UV bit 3
48	YUV D0	O	Y bit 0
49	YUV D1	O	Y bit 1
50	YUV D2	O	Y bit 2
51	VDD 6	—	Supply voltage 6
52	VSS 6	—	Ground 6
53	YUV D3	O	Y bit 3
54	YUV D4	O	Y bit 4
55	YUV D5	O	Y bit 5
56	YUV D6	O	Y bit 6
57	YUV D7	O	Y bit 7
58	VDD 7	—	Supply voltage 7
59	VSS 7	—	Ground 7
60	SNRST	I	Field frequent reset from microcontroller;reset for SNERT interface
61	SNDA	I/O	Data for SNERT interface
62	SNCL	I	Clock for SNERT interface
63	AUX	O	Spre output form line-sequencer
64	Ho	O	Output hold to e.g.LC.display
65	NC	–	Not connected
66	NC	–	Not connected
67	YUV A7	I	Y bit 7 from FM1
68	YUV A6	I	Y bit 6 from FM1
69	YUV A5	I	Y bit 5 from FM1

Pin No.	Pin Name	I/O	Function
70	YUV A4	I	Y bit 4 from FM1
71	YUV A3	I	Y bit 3 from FM1
72	YUV A2	I	Y bit 2 from FM1
73	VSS 8	—	Ground 8
74	VDD 8	—	Supply voltage 8
75	YUV A1	I	Y bit 1 from FM1
76	YUV A0	I	Y bit 0 from FM1
77	YUV A11	I	UV bit 3 from FM1
78	YUV A10	I	UV bit 2 from FM1
79	YUV A9	I	UV bit 1 from FM1
80	YUV A8	I	UV bit 0 from FM1

■ PE6002 (SUB VIDEO ASSY: IC4720)

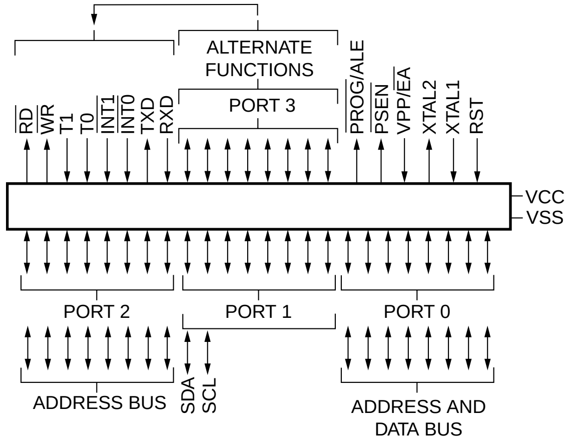
PROGRESSIVE ONE TIME μ-COM

- **Pin Assignment**

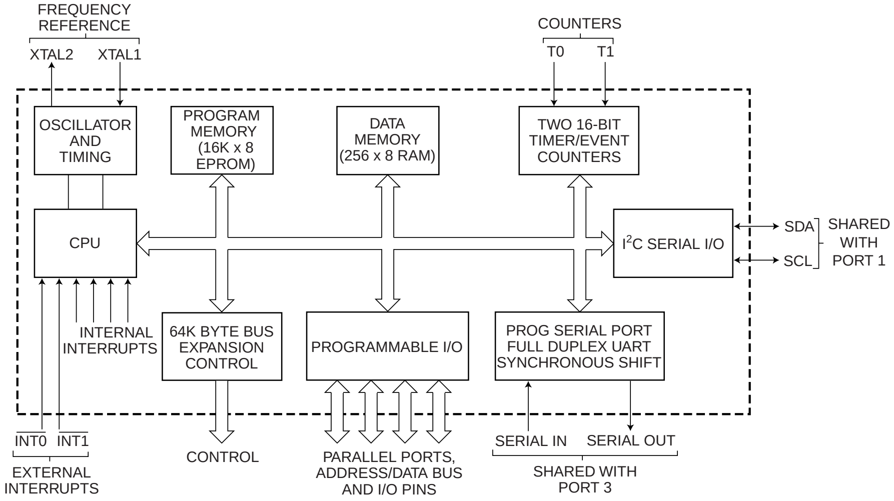

6
1
40
7
39
LCC
17
29
18
28

Pin	Function	Pin	Function
1	N.C.	23	NC8
2	P1.0	24	P2.0/A8
3	P1.1	25	P2.1/A9
4	P1.2	26	P2.2/A10
5	P1.3	27	P2.3/A11
6	P1.4	28	P2.4/A12
7	P1.5	29	P2.5/A13
8	P1.6/SCL	30	P2.6/A14
9	P1.7/SDA	31	P2.7/A15
10	RST	32	$\overline{\text{PSEN}}$
11	P3.0/RxD	33	ALE/$\overline{\text{PROG}}$
12	NC8	34	NC8
13	P3.1/TxD	35	$\overline{\text{EA}}$/VPP
14	P3.2/$\overline{\text{INT0}}$	36	P0.7/AD7
15	P3.3/$\overline{\text{INT1}}$	37	P0.6/AD6
16	P3.4/T0	38	P0.5/AD5
17	P3.5/T1	39	P0.4/AD4
18	P3.6/$\overline{\text{WR}}$	40	P0.3/AD3
19	P3.7/$\overline{\text{RD}}$	41	P0.2/AD2
20	XTAL2	42	P0.1/AD1
21	XTAL1	43	P0.0/AD0
22	VSS	44	VCC

- **Logic**


ALTERNATE FUNCTIONS
PORT 3
RD
WR
T1
T0
INT1
INT0
TXD
RXD
PROG/ALE
PSEN
VPP/EA
XTAL2
XTAL1
RST
VCC
VSS
PORT 2
PORT 1
PORT 0
ADDRESS BUS
SDA
SCL
ADDRESS AND DATA BUS

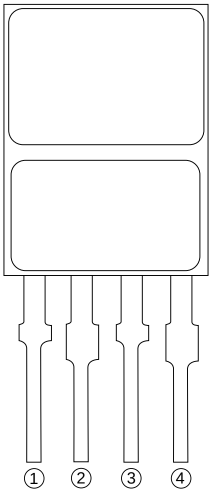
- **Block Diagram**


FREQUENCY REFERENCE
XTAL2
XTAL1
COUNTERS
T0
T1
OSCILLATOR AND TIMING
PROGRAM MEMORY (16K x 8 EPROM)
DATA MEMORY (256 x 8 RAM)
TWO 16-BIT TIMER/EVENT COUNTERS
CPU
I2C SERIAL I/O
SDA
SCL
SHARED WITH PORT 1
INTERNAL INTERRUPTS
64K BYTE BUS EXPANSION CONTROL
PROGRAMMABLE I/O
PROG SERIAL PORT FULL DUPLEX UART SYNCHRONOUS SHIFT
INT0
INT1
EXTERNAL INTERRUPTS
CONTROL
PARALLEL PORTS, ADDRESS/DATA BUS AND I/O PINS
SERIAL IN
SERIAL OUT
SHARED WITH PORT 3

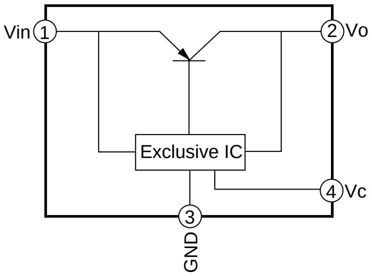
■ PQ05RD1B (SIGNAL ASSY: IC7007, IC7105)

REGULATOR

- **Pin Assignment**



- **Block Diagram**


Vin ①
② Vo
Exclusive IC
④ Vc
③
GND

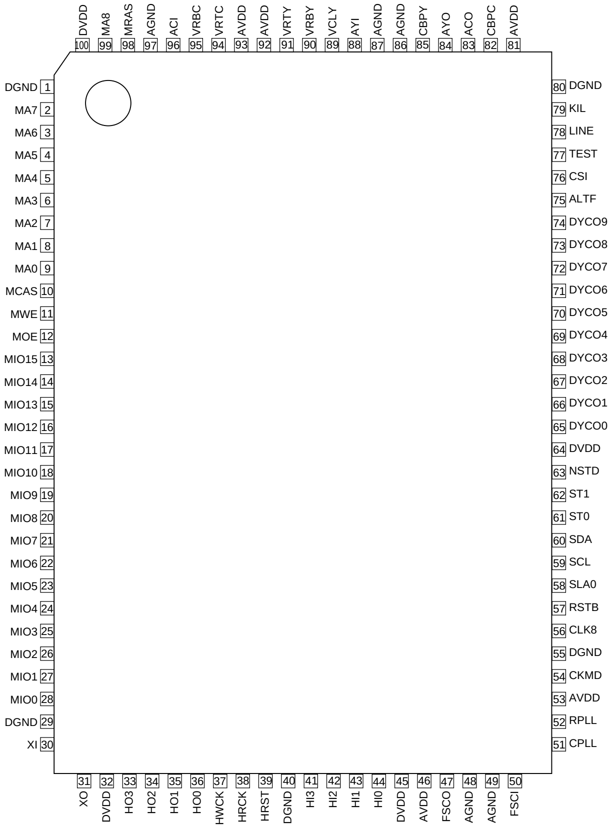
- **Pin Function**

Pin No.	Function	I/O
1	DC input (Vin)	I
2	DC output (Vo)	O
3	GND	–
4	ON/OFF control (Vc)	I

■ UPD64081BGF (SIGNAL ASSY: IC7002)

3D Y/C SEPARATION IC

- **Pin Assignment**


DVDD 100
MA8 99
MRAS 98
AGND 97
ACI 96
VRBC 95
VRTC 94
AVDD 93
AVDD 92
VRTY 91
VRBY 90
VCLY 89
AYI 88
AGND 87
AGND 86
CBPY 85
AYO 84
ACO 83
CBPC 82
AVDD 81
DGND 1
MA7 2
MA6 3
MA5 4
MA4 5
MA3 6
MA2 7
MA1 8
MA0 9
MCAS 10
MWE 11
MOE 12
MIO15 13
MIO14 14
MIO13 15
MIO12 16
MIO11 17
MIO10 18
MIO9 19
MIO8 20
MIO7 21
MIO6 22
MIO5 23
MIO4 24
MIO3 25
MIO2 26
MIO1 27
MIO0 28
DGND 29
XI 30
31 XO
32 DVDD
33 HO3
34 HO2
35 HO1
36 HO0
37 HWCK
38 HRCK
39 HRST
40 DGND
41 HI3
42 HI2
43 HI1
44 HI0
45 DVDD
46 AVDD
47 FSCO
48 AGND
49 AGND
50 FSCI
80 DGND
79 KIL
78 LINE
77 TEST
76 CSI
75 ALTF
74 DYCO9
73 DYCO8
72 DYCO7
71 DYCO6
70 DYCO5
69 DYCO4
68 DYCO3
67 DYCO2
66 DYCO1
65 DYCO0
64 DVDD
63 NSTD
62 ST1
61 ST0
60 SDA
59 SCL
58 SLA0
57 RSTB
56 CLK8
55 DGND
54 CKMD
53 AVDD
52 RPLL
51 CPLL

- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	DGND	–	Digital block ground
2	MA7	O	Address output for external EDO memory
3	MA6	O	
4	MA5	O	
5	MA4	O	
6	MA3	O	
7	MA2	O	
8	MA1	O	
9	MA0	O	
10	MCAS	O	CAS output for external EDO memory (Active low)
11	MWE	O	WE output for external EDO memory (Active low)
12	MOE	O	OE output for external EDO memory (Active low)
13	MIO15	I/O	Data input/output for external EDO memory
14	MIO14	I/O	
15	MIO13	I/O	
16	MIO12	I/O	
17	MIO11	I/O	
18	MIO10	I/O	
19	MIO9	I/O	
20	MIO8	I/O	
21	MIO7	I/O	
22	MIO6	I/O	
23	MIO5	I/O	
24	MIO4	I/O	
25	MIO3	I/O	
26	MIO2	I/O	
27	MIO1	I/O	
28	MIO0	I/O	
29	DGND	–	fsc generator digital block ground
30	XI	I	fsc generator reference clock input (Connected to X'tal)
31	XO	O	fsc generator reference clock reversal output (Connected to X'tal)
32	DVDD	–	fsc generator digital block power
33	HO3 (MSB)-(LSB)	O	External field memory data output (Open when not used)
34	HO2 (MSB)-(LSB)	O	
35	HO1 (MSB)-(LSB)	O	
36	HO0 (MSB)-(LSB)	O	
37	HWCK	O	Write clock output for external field memory (Open when not used)
38	HRCK	O	Read clock output for external field memory (Open when not used)
39	HRST	O	Reset signal output for external field memory (Open when not used)
40	DGND	–	Digital block ground
41	HI3 (MSB)-(LSB)	I	Input for external field memory (Connected to GND when not used)
42	HI2 (MSB)-(LSB)	I	Input for external field memory (Connected to GND when not used)
43	HI1 (MSB)-(LSB)	I	Input for external field memory (Connected to GND when not used)
44	HI0 (MSB)-(LSB)	I	Input for external field memory (Connected to GND when not used)
45	DVDD	–	Digital block power supply

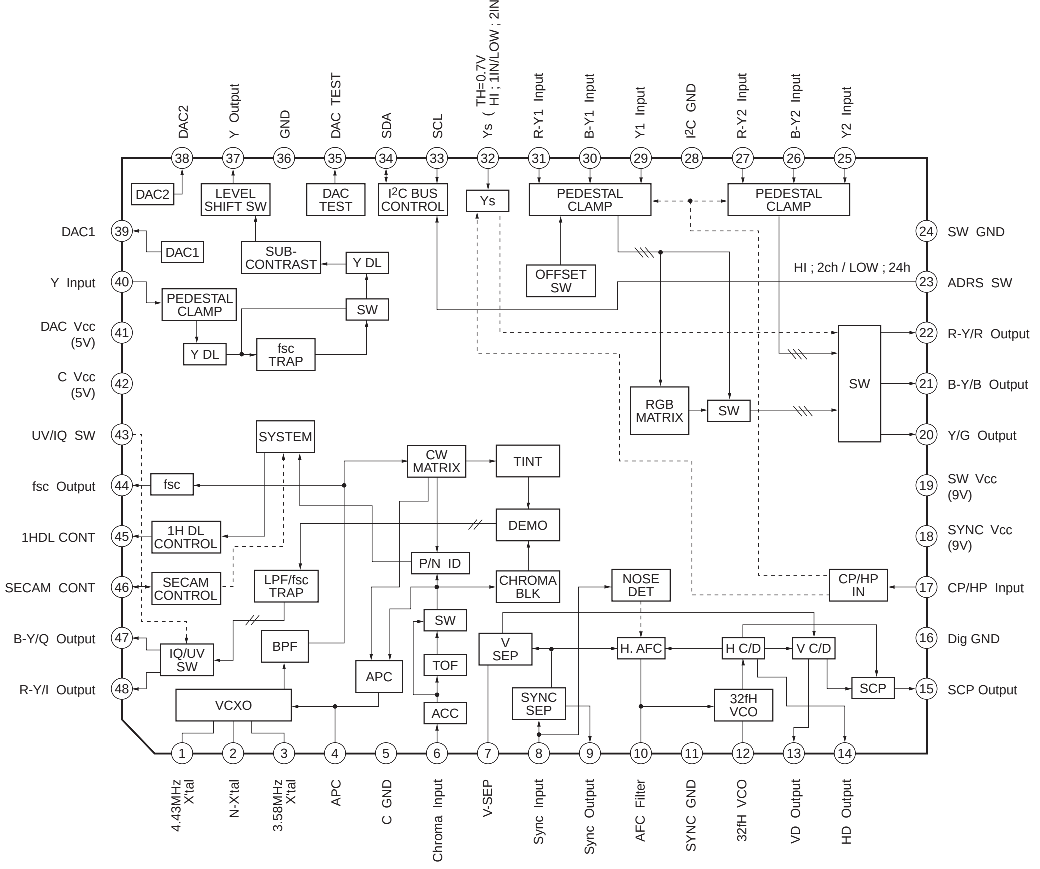
Pin No.	Pin Name	I/O	Function
46	AVDD	–	fsc generator DAC block power supply
47	FSCO	–	fsc generator fsc output
48	AGND	–	fsc generator DAC block ground
49	AGND	–	8fsc-PLL ground
50	FSCI	–	8fsc-PLL fsc input
51	CPLL	–	8fsc-PLL filter output (Opened or connected to GND)
52	RPLL	–	8fsc-PLL frequency compensation output
53	AVDD	–	8fsc-PLL power supply
54	CKMD	I	Clock mode test input (Opened or connected to GND)
55	DGND	–	Digital block ground
56	CLK8	O	8fsc clock output
57	RSTB	I	System reset input (Active Low) (Inputs active low reset pulses from outside)
58	SLA0	I	I^{2}C bus slave address selection input (L:B8/B9h, H:BA/BBh)
59	SCL	I	I^{2}C bus clock input (Connected to system SCL line)
60	SDA	I/O	I^{2}C bus data input/output (Connected to system SDA line)
61	ST0	O	Internal signal monitor output
62	ST1	O	Internal signal monitor output
63	NSTD	O	Non-standard detection monitor output (L:Standard determination, H:Non-standard determination)
64	DVDD	–	Digital block power supply
65	DYCO0 (LSB)-(MSB)	I/O	EXADINS=0, digital YC signal alternate output EXADINS=1, external Y-ADC data input
66	DYCO1 (LSB)-(MSB)	I/O	
67	DYCO2 (LSB)-(MSB)	I/O	
68	DYCO3 (LSB)-(MSB)	I/O	
69	DYCO4 (LSB)-(MSB)	I/O	
70	DYCO5 (LSB)-(MSB)	I/O	
71	DYCO6 (LSB)-(MSB)	I/O	
72	DYCO7 (LSB)-(MSB)	I/O	
73	DYCO8 (LSB)-(MSB)	I/O	
74	DYCO9 (LSB)-(MSB)	I/O	
75	ALTF	O	EXADINS=0, digital YC signal alternate flag output (LY, HC) EXADINS=1, external Y-ADC 4fsc clock output
76	CSI	I	Composite sync input (Active low)
77	TEST	I	IC selection test pin (Opened or connected to GND)
78	LINE	I	Forced inter-line processing selection input (L:Normal processing, H:Forced inter-line processing)
79	KIL	I	External killer input (L:Normal processing, H:Forced YC separation stop)

Pin No.	Pin Name	I/O	Function
80	DGND	–	Digital block ground
81	AVDD	–	Y-DAC, C-DAC power supply
82	CBPC	O	C-DAC phase compensation output
83	ACO	O	C-DAC analog C signal output
84	AYO	O	Y-DAC analog Y signal output
85	CBPY	O	Y-DAC phase compensation output
86	AGND	–	Y-ADC, C-DAC ground
87	AGND	–	Y-DAC ground
88	AYI	I	Y-ADC analog composite signal/Y signal input
89	VCLY	O	Y-ADC clamp potential output
90	VRBY	O	Y-ADC bottom reference voltage output
91	VRTY	O	Y-ADC top reference voltage output
92	AVDD	–	Y-ADC, C-ADC power supply
93	AVDD	–	Y-ADC, C-ADC power supply
94	VRTC	O	C-ADC top reference voltage output
95	VRBC	O	C-ADC bottom reference voltage output
96	ACI	I	C-ADC analog C signal input
97	AGND	–	C-ADC ground
98	MRAS	O	RAS output for external EDO memory (Active low)
99	MA8	O	Address output for external EDO memory
100	DVDD	–	Digital block power supply

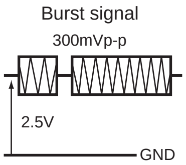
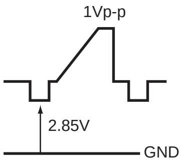
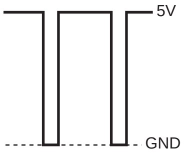
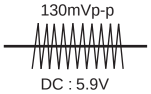
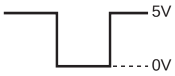
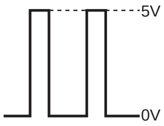
■ TA1270AF (SIGNAL ASSY: IC7100, IC7300)

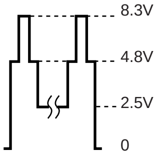
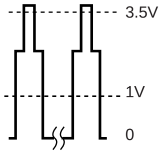
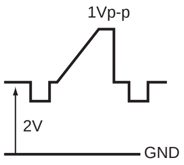
COLOR DEMODULATION SYNC SEPARATION IC

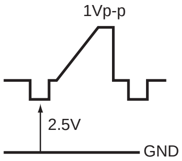
- **Block Diagram**


DAC2
Y Output
GND
DAC TEST
SDA
SCL
Ys (TH=0.7V HI ; 1IN/LOW ; 2IN)
R-Y1 Input
B-Y1 Input
Y1 Input
I2C GND
R-Y2 Input
B-Y2 Input
Y2 Input
38
37
36
35
34
33
32
31
30
29
28
27
26
25
DAC2
LEVEL SHIFT SW
DAC TEST
I2C BUS CONTROL
Ys
PEDESTAL CLAMP
PEDESTAL CLAMP
DAC1
Y Input
DAC Vcc (5V)
C Vcc (5V)
UV/IQ SW
fsc Output
1HDL CONT
SECAM CONT
B-Y/Q Output
R-Y/I Output
39
40
41
42
43
44
45
46
47
48
DAC1
SUB-CONTRAST
Y DL
PEDESTAL CLAMP
SW
Y DL
fsc TRAP
OFFSET SW
HI ; 2ch / LOW ; 24h
SW
RGB MATRIX
SW
SYSTEM
CW MATRIX
TINT
fsc
DEMO
1H DL CONTROL
P/N ID
SECAM CONTROL
LPF/fsc TRAP
CHROMA BLK
NOSE DET
CP/HP IN
SW
BPF
V SEP
H. AFC
H C/D
V C/D
IQ/UV SW
APC
TOF
SCP
SYNC SEP
32fH VCO
VCXO
ACC
24
23
22
21
20
19
18
17
16
15
SW GND
ADRS SW
R-Y/R Output
B-Y/B Output
Y/G Output
SW Vcc (9V)
SYNC Vcc (9V)
CP/HP Input
Dig GND
SCP Output
1
2
3
4
5
6
7
8
9
10
11
12
13
14
4.43MHz X'tal
N-X'tal
3.58MHz X'tal
APC
C GND
Chroma Input
V-SEP
Sync Input
Sync Output
AFC Filter
SYNC GND
32fH VCO
VD Output
HD Output

- **Pin Function**

Pin No.	Pin Name	I/O	Function	I/O Signal
1	4.43 MHz X'tal	I	Connected to X'tal. Oscillation frequency f0 and frequency adjustment range can be changed in series capacity and parallel capacity respectively. Frequency adjustment range for oscillation frequency f0 with series capacity can be changed to parallel capacity.	DC 4.0V 90 mVp-p
2	N-X'tal	I		
3	3.58 MHz X'tal	I		
4	APC	I	Connected to the chroma demodulation APC filter. VCXO oscillation frequency is determined by the voltage of this pin.	DC
5	C GND	—	Chroma processing circuit GND pin.	–
6	Chroma input	I	Chroma input pin. Inputs Y/C separated chroma signal.	
7	V-SEP	I	Connected to the filter for vertical sync separation.	DC 6.4V
8	Sync input	I	Sync separation circuit input.	
9	Sync output	O	Outputs the sync signal separated in the sync separation circuit.	
10	AFC filter	I	Connected to the filter for horizontal AFC. Horizontal output frequency is determined by the voltage of this pin.	DC
11	SYNC GND	—	GND pin of the sync processing circuit.	–
12	32fH VCO	O	Connected to the ceramic oscillator for horizontal oscillation.	
13	VP output	O	Vertical pulse output.	
14	HD output	O	Outputs the HD pulse imposed with AFC.	

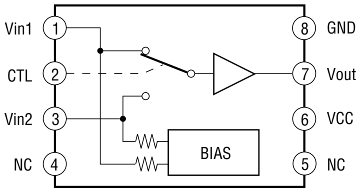
Pin No.	Pin Name	I/O	Function	I/O Signal
15	SCP output	O	Outputs the SCP (Sand Castle Pulse). The output signals are clamp pulse, horizontal blanking pulse, and vertical blanking.	
16	Dig GND	—	Logic block GND pin.	–
17	CP/HP input	I	Input pin for the CP/HP pulse for operating the SW circuit. CP is used as the clamp pulse and HP as the blanking pulse.	
18	SYNC Vcc	—	VCC pin for sync processing block and SW block. Connected to 9V (standard).	–
19	SW Vcc	—		
20	Y/G output	O	Outputs Y/B-Y/R-Y or R/G/B. Switches the YUV/RGB output by bus setting,	
21	B-Y/B output	O		
22	R-Y/R output	O		
23	ADRS SW	I	Pin for switching the slave address. GND - 24H, VCC - 2CH	2CH —— 0.7V 24H —— GND
24	SW GND	—	GND pin for switch block.	–
25	Y2 input	I	Input pin for Y2/B-Y2/R-Y2 (YUV2 input) or R2/G2/B2.	
26	B-Y2 input	I		
27	R-Y2 input (YUV2)	I		
28	I^{2}C GND	—	I^{2}C block GND pin.	–
29	Y1 input	I	Input pin for Y1/B-Y1/R-Y1 (YUV1 input) or R1/G1/B1.	
30	B-Y1 input	I		
31	R-Y1 input (YUV1)	I		
32	Ys	I	High speed SW for switching the input of pins 25, 26, 27 (YUV2) and 29, 30, 31 (YUV1). Threshold is 0.7V.	YUV1 —— 0.7V YUV2 —— GND
33	SCL	I	SCL pin for I^{2}C bus.	–
34	SDA	I/O	SDA pin for I^{2}C bus.	–
35	DAC TEST	O	DAC monitor pin for IC shipping test.	–
36	GND	—	GND pin.	–
37	Y output	O	Outputs the Y signal passing through the fsc TRAP (can be turned ON/OFF by BUS) and Y delay line circuit.	
38	DAC2	O	1 bit DAC output pin.	–
39	DAC1	O		

Pin No.	Pin Name	I/O	Function	I/O Signal
40	Y input	I	Input pin for composite video signal or Y signal.	
41	DAC Vcc	—	VCC pin for DAC block and chroma processing block. Connected to 5V (standard).	–
42	C Vcc	—		
43	UV/IQ SW	I	Switches between UV demodulation and IQ demodulation. UV demodulation is set when this pin is open and IQ demodulation is set when GND.	UV —— 0.7V IQ —— 0
44	fsc output	O	Outputs the X'tal oscillation. The pin voltage becomes high only when 3.58 NTSC is received.	AC ; 0.6Vp-p DC ; 3.58NTSC : 3.2V Others : 1.4V
45	1HDL CONT	O	Outputs the PAL/SECAM/NTSC differentiation results.	4.3V ; PAL 2.5V ; SECAM 0V ; NTSC
46	SECAM CONT	I/O	Input/output pin to control the SECAM demodulation IC. Determined as SECAM when more than 250 @u@A current is pulled from this pin.	When PAL/NTSC : 4.0V When SECAM (White/black): 0.75V
47	B-Y/Q output	O	The B-Y (U) signal or Q signal is output. Incorporates the LPF for eliminating the carrier inside.	DC ; 2.5V Rainbow color bar ; 360 mVp-p
48	R-Y/I output	O	Outputs the R-Y (V) signal or I signal. Incorporates an LPF for eliminating carrier.	DC ; 2.5V Rainbow color bar ; 360 mVp-p

■ NJM2233BM (SIGNAL ASSY: IC7103, IC7303, IC7305, IC7306)

VIDEO SW

- **Block Diagram**



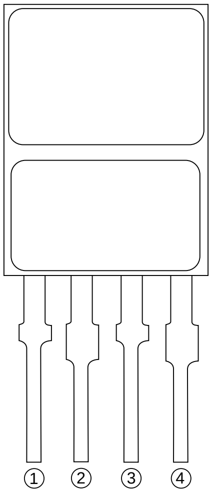
- **Control Input – Output Signal**

CTL	Function
L	Vin1
H	Vin2

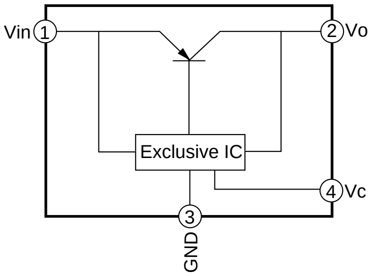
■ PQ09RD1B (SIGNAL ASSY: IC7106)

REGULATOR

- **Pin Assignment**



- **Block Diagram**


Vin 1
2 Vo
Exclusive IC
4 Vc
3
GND

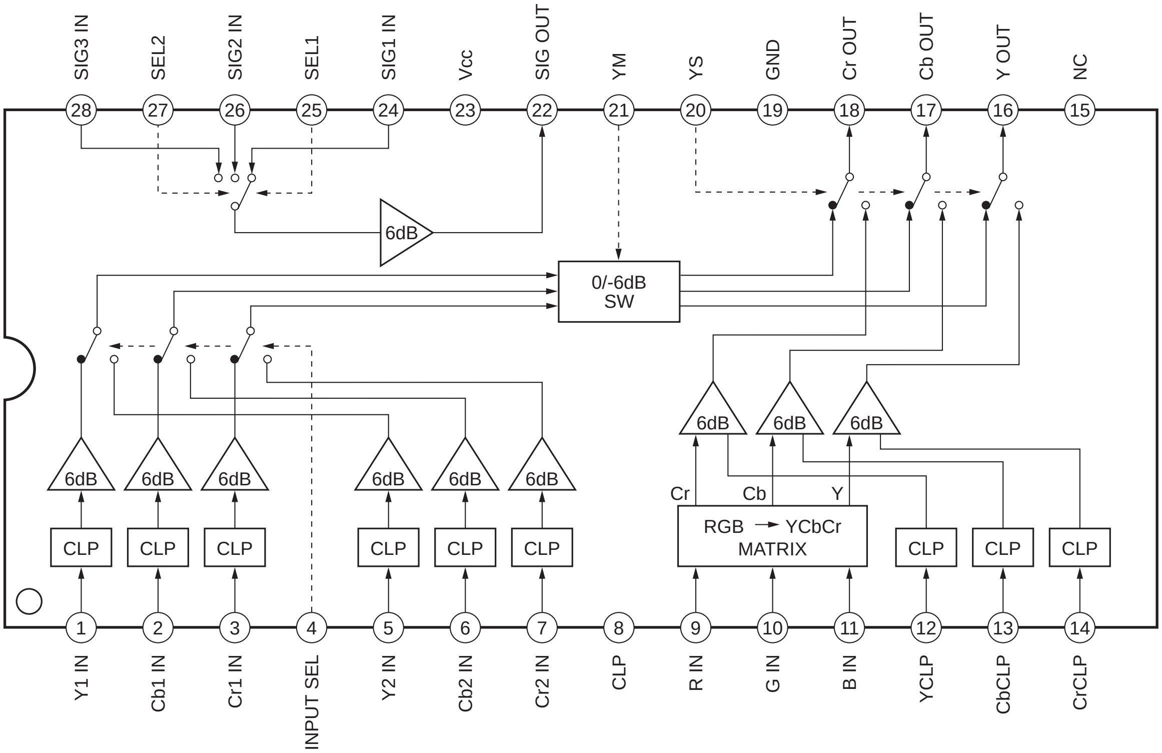
- **Pin Function**

Pin No.	Function	I/O
1	DC input (Vin)	I
2	DC output (Vo)	O
3	GND	–
4	ON/OFF control (Vc)	I

■ CXA2119M (SIGNAL ASSY: IC7250) (For SIGNAL ASSY AWV1725)

Y COLOR DIFFERENCE I/F SW

- **Block Diagram**


SIG3 IN
SEL2
SIG2 IN
SEL1
SIG1 IN
Vcc
SIG OUT
YM
YS
GND
Cr OUT
Cb OUT
Y OUT
NC
28
27
26
25
24
23
22
21
20
19
18
17
16
15
6dB
0/-6dB
SW
6dB
6dB
6dB
6dB
6dB
6dB
6dB
6dB
6dB
CLP
CLP
CLP
CLP
CLP
CLP
Cr
Cb
Y
RGB → YCbCr
MATRIX
CLP
CLP
CLP
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Y1 IN
Cb1 IN
Cr1 IN
INPUT SEL
Y2 IN
Cb2 IN
Cr2 IN
CLP
R IN
G IN
B IN
YCLP
CbCLP
CrCLP

- **Pin Function**

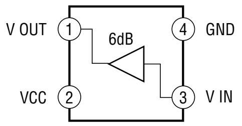
<table>
<tr><th>Pin No.</th><th>Pin Name</th><th>I/O</th><th>Function</th></tr>
<tr><td>1</td><td>Y1 IN</td><td>I</td><td rowspan="3">Pin for inputting the YCbCr signal.
Inputs the YCbCr specifications (0.7 Vp-p for 100% color bar) signal.
The pedestal level of the input signal is clamped at 4V.</td></tr>
<tr><td>2</td><td>Cb1 IN</td><td>I</td></tr>
<tr><td>3</td><td>Cr1 IN</td><td>I</td></tr>
<tr><td>4</td><td>INPUT SEL</td><td>I</td><td>Pin for controlling the selection SW of 2-line YCbCr input.
High:Selects the Y1, Cb1, Cr1 input, Low:Selects the Y2, Cb2, Cr2 input
VILMAX=1V, VIHMIN=3V</td></tr>
<tr><td>5</td><td>Y2 IN</td><td>I</td><td rowspan="3">Pin for inputting the YCbCr signal.
Inputs the YCbCr specifications (0.7 Vp-p for 100% color bar) signal.
The pedestal level of the input signal is clamped at 4V.</td></tr>
<tr><td>6</td><td>Cb2 IN</td><td>I</td></tr>
<tr><td>7</td><td>Cr2 IN</td><td>I</td></tr>
<tr><td>8</td><td>CLP</td><td>I</td><td>Pin for inputting the clamp pulse.
High:CLP ON, Low:CLP OFF
VILMAX=2.5V, VIHMIN=4V</td></tr>
<tr><td>9</td><td>R IN</td><td>I</td><td>Pin for inputting the R signal.</td></tr>
<tr><td>10</td><td>G IN</td><td>I</td><td>Pin for inputting the G signal.</td></tr>
<tr><td>11</td><td>B IN</td><td>I</td><td>Pin for inputting the B signal.</td></tr>
<tr><td>12</td><td>YCLP</td><td>I</td><td>Capacity connection pin for clamping the Y signal made from the RGB signal.</td></tr>
<tr><td>13</td><td>CbCLP</td><td>I</td><td>Capacity connection pin for clamping the Cb signal made from the RGB signal.</td></tr>
<tr><td>14</td><td>CrCLP</td><td>I</td><td>Capacity connection pin for clamping the Cr signal made from the RGB signal.</td></tr>
<tr><td>15</td><td>NC</td><td>I</td><td>NC pin.</td></tr>
<tr><td>16</td><td>Y OUT</td><td>O</td><td>Output pin of Y signal. The output pedestal level is 3.8V.</td></tr>
<tr><td>17</td><td>Cb OUT</td><td>O</td><td>Output pin of Cb signal. The output pedestal level is 3.8V.</td></tr>
<tr><td>18</td><td>Cr OUT</td><td>O</td><td>Output pin of Cr signal. The output pedestal level is 3.8V.</td></tr>
<tr><td>19</td><td>GND</td><td>—</td><td>GND pin.</td></tr>
<tr><td>20</td><td>YS</td><td>I</td><td>YSSW control pin.
High:Selects the RGB input, Low:Selects the YCbCr input
VILMAX=1V, VIHMIN=3V
Pin for controlling YMSW.</td></tr>
<tr><td>24</td><td>YM</td><td>I</td><td>High:Selects the -6 dB signal., Low:Selects the 0 dB signal.
VILMAX=1V, VIHMIN=3V</td></tr>
<tr><td>22</td><td>SIG OUT</td><td>O</td><td>Output pin for SIG1, SIG2, and SIG3.
Outputs the 6dB signal of the input signal.
The APL of the signal becomes 4.4V when output.</td></tr>
<tr><td>23</td><td>Vcc</td><td>—</td><td>Vcc pin.</td></tr>
<tr><td>24</td><td>SIG1 IN</td><td>I</td><td>Pin for inputting the composite video signal.
Inputs the 1Vp-p (100% white including Sync) signal via the capacity.</td></tr>
<tr><td>25</td><td>SEL1</td><td>I</td><td>Control pin for the output selection SW of the 3 input composite video signals.
<table>
<tr><th>SEL1</th><th>SEL2</th><th>SIG OUT</th></tr>
<tr><td>Low</td><td>Low</td><td>SIG1</td></tr>
<tr><td>High</td><td>Low</td><td>SIG2</td></tr>
<tr><td>Low</td><td>High</td><td>SIG3</td></tr>
<tr><td>High</td><td>High</td><td>Prohibited</td></tr>
</table>
VILMAX=0.5V, VIHMIN=3.5V</td></tr>
<tr><td>26</td><td>SIG2 IN</td><td>I</td><td>Pin for inputting the composite video signal.
Inputs the 1Vp-p (100% white including Sync) signal via the capacity.</td></tr>
</table>

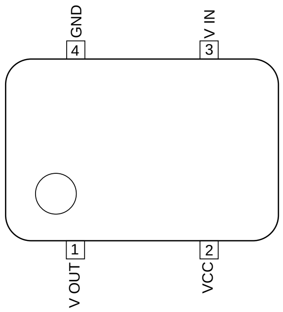
<table>
<tr><th>Pin No.</th><th>Pin Name</th><th>I/O</th><th>Function</th></tr>
<tr><td>27</td><td>SEL2</td><td>I</td><td>Control pin for the output selection SW of the 3 input composite video signals.
<table>
<tr><th>SEL1</th><th>SEL2</th><th>SIG OUT</th></tr>
<tr><td>Low</td><td>Low</td><td>SIG1</td></tr>
<tr><td>High</td><td>Low</td><td>SIG2</td></tr>
<tr><td>Low</td><td>High</td><td>SIG3</td></tr>
<tr><td>High</td><td>High</td><td>Prohibited</td></tr>
</table>
VILMAX=0.5V, VIHMIN=3.5V</td></tr>
<tr><td>28</td><td>SIG3 IN</td><td>I</td><td>Pin for inputting the composite video signal.
Inputs the 1Vp-p (100% white including Sync) signal via the capacity.</td></tr>
</table>

■ MM1031XM (SIGNAL ASSY: IC7301, IC7304, IC7500, IC7605)

VIDEO AMP

- **Block Diagram**

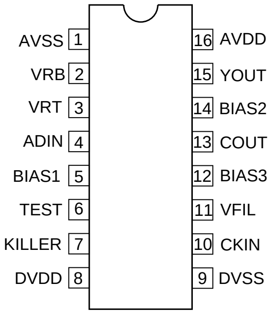

V OUT
1
6dB
4
GND
VCC
2
3
V IN

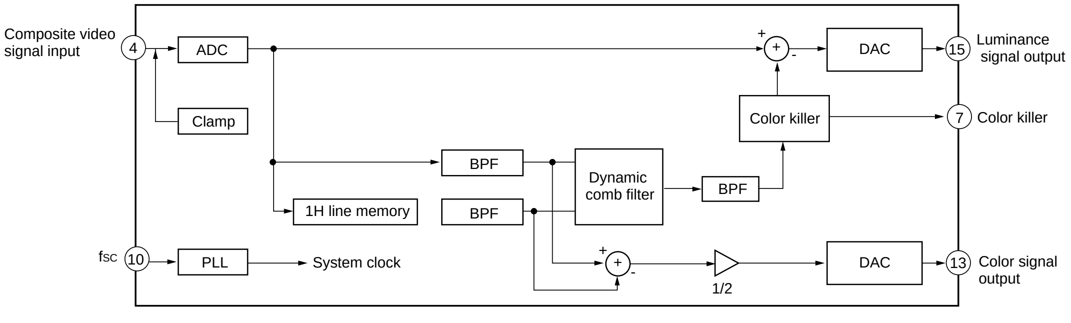

GND
4
V IN
3
1
V OUT
2
VCC

■ TC90A45F (SIGNAL ASSY: IC7307)

2 LINE DIGITAL Y/C SEP IC

- **Pin Assignment**
- **Block Diagram**


AVSS 1
VRB 2
VRT 3
ADIN 4
BIAS1 5
TEST 6
KILLER 7
DVDD 8
16 AVDD
15 YOUT
14 BIAS2
13 COUT
12 BIAS3
11 VFIL
10 CKIN
9 DVSS


Composite video signal input
4
ADC
Clamp
fsc
10
PLL
System clock
1H line memory
BPF
BPF
Dynamic comb filter
BPF
Color killer
+
+
-
DAC
15
Luminance signal output
7
Color killer
+
+
-
1/2
DAC
13
Color signal output

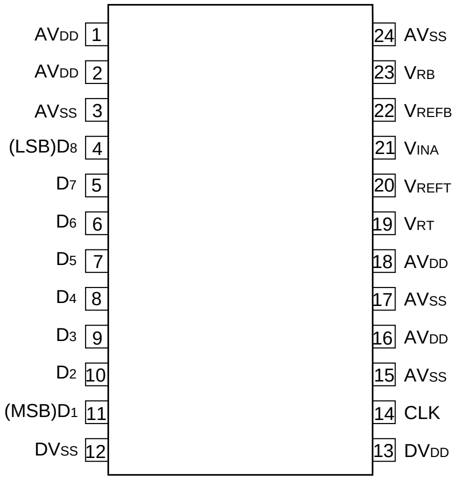
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	AVSS	–	Analog GND
2	VRB	–	Reference pin for ADC.
3	VRT	–	Reference pin for ADC.
4	ADIN	I	Composite video signal input pin.
5	BIAS1	–	Bias pin for ADC.
6	TEST	–	TEST pin. Connected to the digital GND.
7	KILLER	I	Killer circuit setting pin. When set to H level, it will output signals without Y/C separation. Use this pin when inputting B/W signals. H: B/W mode (Y/C separation OFF), L: Normal Y/C separation mode
8	DVDD	–	Digital power supply (+5V)
9	DVSS	–	Digital GND
10	CKIN	I	Clock input.
11	VFIL	–	Connected to the VCO filter.
12	BIAS3	–	DAC bias pin.
13	COUT	O	C signal output
14	BIAS2	–	DAC bias pin.
15	YOUT	O	Y signal output
16	AVDD	–	Analog power supply (+5V)

■ MB40C568HPF (SIGNAL ASSY: IC7503)

A/D CONVERTER

- **Pin Assignment**


AVDD 1
AVDD 2
AVSS 3
(LSB)D8 4
D7 5
D6 6
D5 7
D4 8
D3 9
D2 10
(MSB)D1 11
DVSS 12
24 AVSS
23 VRB
22 VREFB
21 VINA
20 VREFT
19 VRT
18 AVDD
17 AVSS
16 AVDD
15 AVSS
14 CLK
13 DVDD

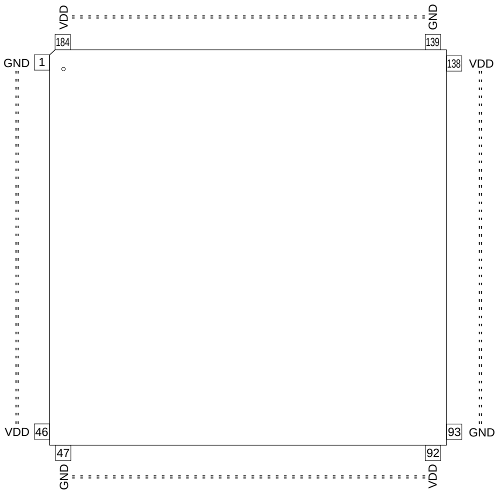
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	AVDD	–	Analog power supply pin (+5 V)
2	AVDD	–	Analog power supply pin (+5 V)
3	AVSS	–	Analog power ground pin (0 V)
4	D8	O	Digital output pins. D1: MSB, D8: LSB
5	D7	O	
6	D6	O	
7	D5	O	
8	D4	O	
9	D3	O	
10	D2	O	
11	D1	O	
12	DVSS	—	Digital power ground pin (0 V)
13	DVDD	—	Digital power supply pin (+3 or +5 V)
14	CLK	I	Clock input pin
15	AVSS	—	Analog power ground pin (0 V)
16	AVDD	—	Analog power supply pin (+5 V)
17	AVSS	—	Analog power ground pin (0 V)
18	AVDD	—	Analog power supply pin (+5 V)
19	VRT	I	Reference voltage input pin (3 V)
20	VREFT	I	Reference voltage input pin (1 V)
21	VINA	I	Analog input pin. Input range: VRB to VRT (2 Vp-p between 0.5 to 4 V)
22	VREFB	O	Reference voltage output pin. When connected to VRB, the pin generates 0.2 x AVDD (1 V).
23	VRB	I	Reference voltage input pin (1 V)
24	AVSS	—	Analog power ground pin (0 V)

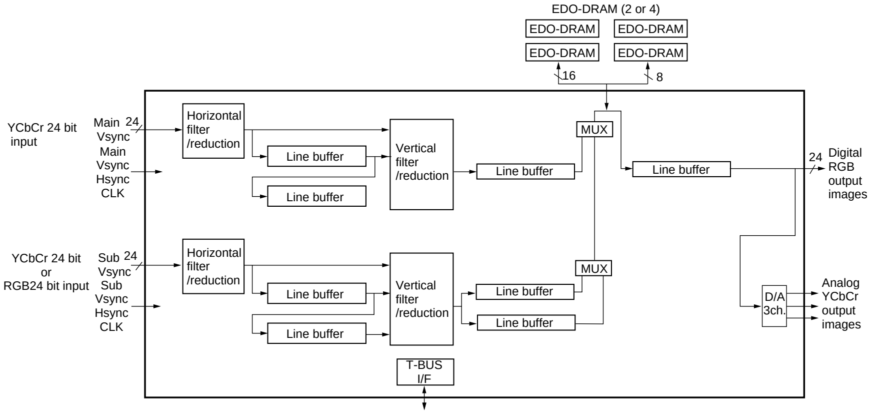
■ MA07132 (SIGNAL ASSY: IC7700)

TWIN PICTURE LSI

- **Pin Assignment**


VDD
GND
184
139
GND 1
138 VDD
VDD 46
93 GND
47
92
GND
VDD

- **Block Diagram**


EDO-DRAM (2 or 4)
EDO-DRAM
EDO-DRAM
EDO-DRAM
EDO-DRAM
16
8
YCbCr 24 bit input
Main 24
Vsync
Main
Vsync
Hsync
CLK
Horizontal filter /reduction
Line buffer
Line buffer
Vertical filter /reduction
Line buffer
MUX
Line buffer
24
Digital RGB output images
YCbCr 24 bit or RGB24 bit input
Sub 24
Vsync
Sub
Vsync
Hsync
CLK
Horizontal filter /reduction
Line buffer
Line buffer
Vertical filter /reduction
Line buffer
Line buffer
MUX
D/A 3ch.
Analog YCbCr output images
T-BUS I/F

Pin Function

Pin No.	Pin Name	I/O	Function
1	GND	–	
2	Y7MI	I	Main screen Y signal input
3	Y6MI	I	
4	Y5MI	I	
5	Y4MI	I	
6	Y3MI	I	
7	Y2MI	I	
8	Y1MI	I	
9	Y0MI	I	
10	CB7MI	I	Main screen Cb signal input
11	CB6MI	I	
12	CB5MI	I	
13	CB4MI	I	
14	CB3MI	I	
15	CB2MI	I	
16	CB1MI	I	
17	CB0MI	I	
18	CR7MI	I	Main screen Cr signal input
19	CR6MI	I	
20	CR5MI	I	
21	CR4MI	I	
22	CR3MI	I	
23	VDD	–	
24	GND	–	
25	CR2MI	I	Main screen Cr signal input
26	CR1MI	I	
27	CR0MI	I	
28	CKMI	I	Main screen sync clock (32.5 MHz), Used as internal system clock.
29	HSMI	I	Main screen horizontal sync signal input
30	VSMI	I	Main screen vertical sync signal input
31	CLMPMO	O	Clamp pulse output for main screen
32	CK2MO	O	Clock output by frequency dividing CKMI
33	GND	–	
34	HSMO	O	Horizontal sync signal output after elimination of half pulse to main screen horizontal AFCIC
35	CPGDMO	O	Copy guard signal output for main screen
36	HREFMO	O	fH reference signal output to main screen horizontal AFCIC
37	CPMYO	O	Y signal clamp offset PWM output for main screen
38	CPMCBO	O	Cb signal clamp offset PWM output for main screen
39	CPMCRO	O	Cr signal clamp offset PWM output for main screen
40	Y7SI	I	Y signal input/R signal input for sub screen (When inputting VGA)
41	Y6SI	I	
42	Y5SI	I	
43	Y4SI	I	
44	Y3SI	I	
45	Y2SI	I	

Pin No.	Pin Name	I/O	Function
46	VDD	–	
47	GND	–	
48	Y1SI	I	Y signal input/R signal input for sub screen (When inputting VGA)
49	Y0SI	I	
50	CB7SI	I	Cb signal input/G signal input for sub screen (When inputting VGA)
51	CB6SI	I	
52	CB5SI	I	
53	CB4SI	I	
54	CB3SI	I	
55	CB2SI	I	
56	CB1SI	I	
57	CB0SI	I	
58	CR7SI	I	Cr signal input/B signal input for sub screen (When inputting VGA)
59	CR6SI	I	
60	CR5SI	I	
61	CR4SI	I	
62	CR3SI	I	
63	CR2SI	I	
64	CR1SI	I	
65	CR0SI	I	
66	HSSI	I	Sub screen horizontal sync signal input
67	VSSI	I	Sub screen vertical sync signal input
68	CKSI	I	Sync clock for sub screen (32.5 MHz)
69	VDD	–	
70	GND	–	
71	CK2SO	O	Clock output by frequency dividing CKSI (No frequency dividing for VGA images)
72	HSSO	O	Horizontal sync signal output after eliminating half pulse to sub screen horizontal AFCIC
73	HREFSO	O	fH reference signal output to sub screen horizontal AFCIC
74	CPSYO	O	Y signal/R signal clamp offset PWM output for sub screen
75	CPSCBO	O	Cb signal/G signal clamp offset PWM output for sub screen
76	CPSCRO	O	Cr signal/B signal clamp offset PWM output for sub screen
77	CLMPSO	O	Clamp pulse output for sub screen
78	R7O	O	Display screen digital R signal output
79	R6O	O	
80	R5O	O	
81	R4O	O	
82	R3O	O	
83	R2O	O	
84	R1O	O	
85	R0O	O	
86	CPGDSO	O	Copy guard signal output for sub screen
87	G7O	O	Display screen digital G signal output
88	G6O	O	
89	G5O	O	
90	G4O	O	
91	G3O	O	

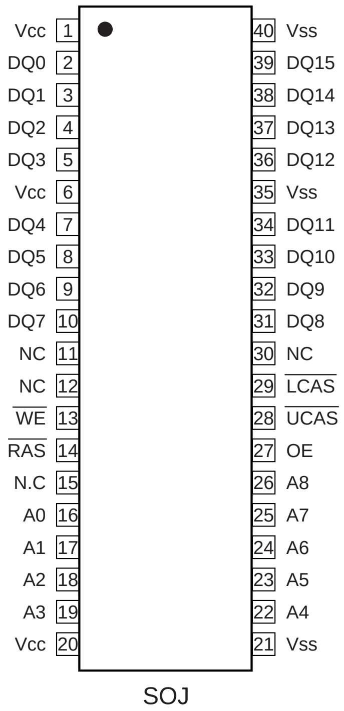
Pin No.	Pin Name	I/O	Function
92	VDD	–	
93	GND	–	
94	G2O	O	Display screen digital G signal output
95	G1O	O	
96	G0O	O	
97	WCKO	O	External D/A -C clock output for RGB output
98	GND	–	
99	B7O	O	Display screen digital B signal output
100	B6O	O	
101	B5O	O	
102	B4O	O	
103	B3O	O	
104	B2O	O	
105	B1O	O	
106	B0O	O	
107	TMC1I	I	Test input (Normally LOW input)
108	TBUSD	I/O	Tbus DATA signal input/output
109	TMC2I	I	Test input (Normally LOW input)
110	TBUSPI	I	Tbus PERIOD signal input
111	TBUSCI	I	Tbus CLOCK signal input
112	RSTI	I	Power on reset input
113	TEST2I	I	Test input (Normally LOW input)
114	TEST1I	I	Test input (Normally LOW input)
115	VDD	–	
116	GND	–	
117	N.C	–	
118	AVDD	–	
119	VOY	O	Display screen analog Y signal output
120	VOCB	O	Display screen analog Cb signal output
121	VOCR	O	Display screen analog Cr signal output
122	AGND	–	
123	AGND	–	
124	N.C	–	
125	VDD	–	
126	GND	–	
127	A8O	O	Address bus of DRAM for multi window
128	A7O	O	
129	A6O	O	
130	A5O	O	
131	VDD	–	
132	GND	–	
133	A4O	O	Address bus of DRAM for multi window
134	A3O	O	
135	A2O	O	
136	A1O	O	
137	A0O	O	

Pin No.	Pin Name	I/O	Function
138	VDD	–	
139	GND	–	
140	CASB1O	O	LCAS, UCAS to DRAM 1 for multi window
141	GND	–	
142	CASB2O	O	LCAS, UCAS to DRAM 2 for multi window
143	GND	–	
144	RASB1O	O	RAS to DRAM 1 for multi window
145	VDD	–	
146	GND	–	
147	RASB2O	O	RAS to DRAM 2 for multi window
148	GND	–	
149	WEB1O	O	Write enable signal to DRAM 1 for multi window
150	OEB1O	O	Output enable signal to DRAM 1 for multi window
151	WEB2O	O	Write enable signal to DRAM 2 for multi window
152	OEB2O	O	Output enable signal to DRAM 2 for multi window
153	VDD	–	
154	GND	–	
155	YSO	O	Digital RGB output range signal
156	D23IO	I/O	Data bus of DRAM for multi window
157	D22IO	I/O	
158	D21IO	I/O	
159	D20IO	I/O	
160	D19IO	I/O	
161	VDD	–	
162	GND	–	
163	D18IO	I/O	Data bus of DRAM for multi window
164	D17IO	I/O	
165	D16IO	I/O	
166	D15IO	I/O	
167	D14IO	I/O	
168	D13IO	I/O	
169	D12IO	I/O	
170	GND	–	
171	D11IO	I/O	Data bus of DRAM for multi window
172	D10IO	I/O	
173	D9IO	I/O	
174	D8IO	I/O	
175	D7IO	I/O	
176	D6IO	I/O	
177	GND	–	
178	D5IO	I/O	Data bus of DRAM for multi window
179	D4IO	I/O	
180	D3IO	I/O	
181	D2IO	I/O	
182	D1IO	I/O	
183	D0IO	I/O	
184	VDD	–	

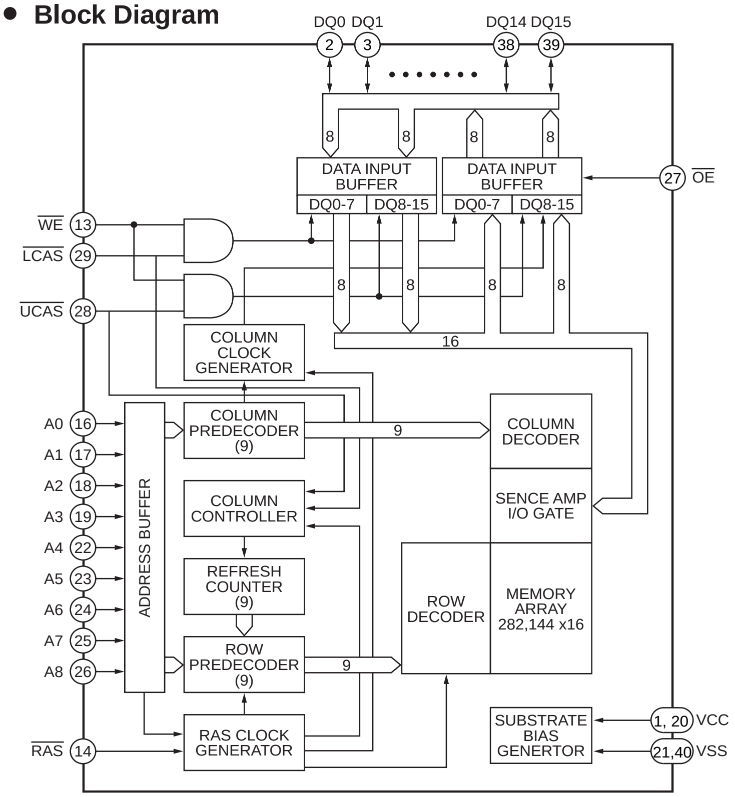
■ HY514264BJC (SIGNAL ASSY: IC7003, IC7701, IC7702)

4M DRAM

• Pin Assignment


Vcc 1
DQ0 2
DQ1 3
DQ2 4
DQ3 5
Vcc 6
DQ4 7
DQ5 8
DQ6 9
DQ7 10
NC 11
NC 12
$\overline{\text{WE}}$ 13
$\overline{\text{RAS}}$ 14
N.C 15
A0 16
A1 17
A2 18
A3 19
Vcc 20
40 Vss
39 DQ15
38 DQ14
37 DQ13
36 DQ12
35 Vss
34 DQ11
33 DQ10
32 DQ9
31 DQ8
30 NC
29 $\overline{\text{LCAS}}$
28 $\overline{\text{UCAS}}$
27 OE
26 A8
25 A7
24 A6
23 A5
22 A4
21 Vss
SOJ

• Block Diagram


DQ0 DQ1
DQ14 DQ15
2
3
38
39
8
8
8
8
DATA INPUT BUFFER
DQ0-7
DQ8-15
DATA INPUT BUFFER
DQ0-7
DQ8-15
27 $\overline{\text{OE}}$
$\overline{\text{WE}}$ 13
$\overline{\text{LCAS}}$ 29
$\overline{\text{UCAS}}$ 28
8
8
8
8
16
COLUMN CLOCK GENERATOR
A0 16
A1 17
A2 18
A3 19
A4 22
A5 23
A6 24
A7 25
A8 26
ADDRESS BUFFER
COLUMN PREDECODER (9)
9
COLUMN DECODER
COLUMN CONTROLLER
SENCE AMP I/O GATE
REFRESH COUNTER (9)
ROW DECODER
MEMORY ARRAY 282,144 x16
ROW PREDECODER (9)
9
RAS CLOCK GENERATOR
$\overline{\text{RAS}}$ 14
SUBSTRATE BIAS GENERTOR
1, 20 VCC
21,40 VSS

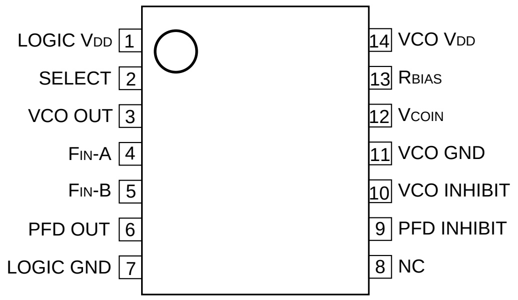
• Pin Function

Pin No.	Pin Name	Function	I/O	Pin No.	Pin Name	Function	I/O
1	Vcc	Power (+5V)	—	21	Vss	Ground	—
2	DQ0	Data I/O	I/O	22	A4	Address Input	I
3	DQ1	Data I/O	I/O	23	A5	Address Input	I
4	DQ2	Data I/O	I/O	24	A6	Address Input	I
5	DQ3	Data I/O	I/O	25	A7	Address Input	I
6	Vcc	Power (+5V)	—	26	A8	Address Input	I
7	DQ4	Data I/O	I/O	27	$\overline{\text{OE}}$	Output Enable	O
8	DQ5	Data I/O	I/O	28	$\overline{\text{UCAS}}$	Column Address Strobe	I
9	DQ6	Data I/O	I/O	29	$\overline{\text{LCAS}}$	Column Address Strobe	I
10	DQ7	Data I/O	I/O	30	NC		—
11	NC		—	31	DQ8	Data I/O	I/O
12	NC		—	32	DQ9	Data I/O	I/O
13	$\overline{\text{WE}}$	Write Enable	I	33	DQ10	Data I/O	I/O
14	$\overline{\text{RAS}}$	Row Address Strobe	I	34	DQ11	Data I/O	I/O
15	NC		—	35	Vss	Ground	—
16	A0	Address Input	I	36	DQ12	Data I/O	I/O
17	A1	Address Input	I	37	DQ13	Data I/O	I/O
18	A2	Address Input	I	38	DQ14	Data I/O	I/O
19	A3	Address Input	I	39	DQ15	Data I/O	I/O
20	Vcc	Power (+5V)	—	40	Vss	Ground	—

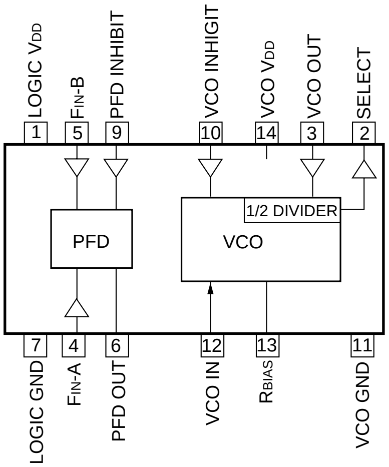
TLC2932IPW (SIGNAL ASSY: IC7703, IC7704)

PLL IC

Pin Assignment


LOGIC VDD 1
SELECT 2
VCO OUT 3
FIN-A 4
FIN-B 5
PFD OUT 6
LOGIC GND 7
14 VCO VDD
13 RBIAS
12 VCOIN
11 VCO GND
10 VCO INHIBIT
9 PFD INHIBIT
8 NC

Block Diagram


LOGIC VDD
FIN-B
PFD INHIBIT
VCO INHIGIT
VCO VDD
VCO OUT
SELECT
1
5
9
10
14
3
2
1/2 DIVIDER
PFD
VCO
7
4
6
12
13
11
LOGIC GND
FIN-A
PFD OUT
VCO IN
RBIAS
VCO GND

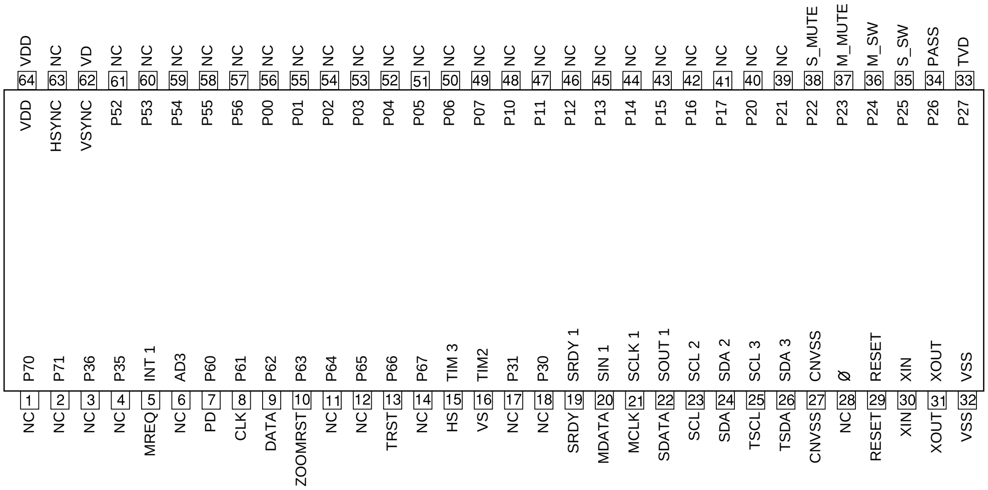
Pin Function

Pin No.	Pin Name	I/O	Function
1	LOGIC VDD	—	Pin which supplies power voltage to the internal logic circuit. Should be completely separated from the VCO power voltage supply pin.
2	SELECT	O	VCO output frequency 1/2 divider select pin. By controlling this pin using external logic, the VCO output frequency can be frequency divided by 1/2.
3	VCO OUT	O	VCO output pin. Set to level "L" when inhibited.
4	FIN-A	I	2-input pin for detecting the edge difference between the reference frequency (REF-IN) and frequency from the external counter. Normally, the 1REF-IN is input to pin FIN-A while the divided frequency and doubled frequency from the external counter is input to pin FIN-B.
5	FIN-B	I	2-input pin for detecting the edge difference between the reference frequency (REF-IN) and frequency from the external counter. Normally, the 1REF-IN is input to pin FIN-A while the divided frequency and doubled frequency from the external counter is input to pin FIN-B.
6	PFD OUT	O	PFD (phase frequency detector) output pin. Can be fixed at high impedance.
7	LOGIC GND	—	Internal logic circuit ground pin.
8	NC	—	Internal unconnected pin.
9	PFD INHIBIT	I	PFD inhibit function control pin.
10	VCO INHIBIT	I	VCO inhibit function control pin.
11	VCO GND	—	VCO ground pin.
12	VCOIN	I	VCO control voltage input pin. Normally, PLL inputs the VCO oscillation control voltage from the LPF configured externally.
13	RBIAS	I	Bias resistance connection pin for setting the VCO oscillation frequency. Connects the bias resistor between this pin and the power line when supplying bias for oscillation operations of the internal VCO and for setting and adjusting the oscillation frequency.
14	VCO VDD	—	VCO power voltage supply pin. This should be completely separated from the power voltage pin of internal logic.

■ PD5499 (SIGNAL ASSY: IC7800)

CONTROL μ-COM

- **Pin Assignment**


VDD 64 VDD
NC 63 HSYNC
VD 62 VSYNC
NC 61 P52
NC 60 P53
NC 59 P54
NC 58 P55
NC 57 P56
NC 56 P00
NC 55 P01
NC 54 P02
NC 53 P03
NC 52 P04
NC 51 P05
NC 50 P06
NC 49 P07
NC 48 P10
NC 47 P11
NC 46 P12
NC 45 P13
NC 44 P14
NC 43 P15
NC 42 P16
NC 41 P17
NC 40 P20
NC 39 P21
S_MUTE 38 P22
M_MUTE 37 P23
M_SW 36 P24
S_SW 35 P25
PASS 34 P26
TVD 33 P27
P70 1 NC
P71 2 NC
P36 3 NC
P35 4 NC
INT 1 5 MREQ
AD3 6 NC
P60 7 PD
P61 8 CLK
P62 9 DATA
P63 10 ZOOMRST
P64 11 NC
P65 12 NC
P66 13 TRST
P67 14 NC
TIM 3 15 HS
TIM2 16 VS
P31 17 NC
P30 18 NC
SRDY 1 19 SRDY
SIN 1 20 MDATA
SCLK 1 21 MCLK
SOUT 1 22 SDATA
SCL 2 23 SCL
SDA 2 24 SDA
SCL 3 25 TSCL
SDA 3 26 TSDA
CNVSS 27 CNVSS
Ø 28 NC
RESET 29 RESET
XIN 30 XIN
XOUT 31 XOUT
VSS 32 VSS

- **Pin Function**

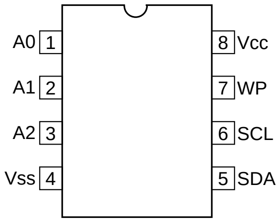
Pin No.	Pin Name	I/O	Function
1	NC	I	Unused
2	NC	I	Unused
3	NC	I	Unused
4	NC	I	Unused
5	MREQ	I	M-S serial main request input
6	NC	I	Unused
7	PD	O	T bus period output
8	CLK	O	T bus clock output
9	DATA	O	T bus clock output
10	ZOOMRST	O	2-screen zoom IC reset output
11	NC	I	Unused
12	NC	I	Unused
13	TRST	O	TVGP+ reset output
14	NC	I	Unused
15	HS	I	Video horizontal sync signal detection input
16	VS	I	Video vertical sync signal detection input
17	NC	I	Unused
18	NC	I	Unused
19	SRDY	O	M-S serial sub ready output
20	MDATA	I	M-S serial main data input
21	MCLK	I	M-S serial main clock input
22	SDATA	O	M-S serial sub data output
23	SCL	O	IIC bus clock output
24	SDA	I/O	IIC bus data input/output
25	TSCL	O	TVGP+ IIC bus clock output
26	TSDA	I/O	TVGP+ IIC bus data input/output
27	CNVSS	I	Processor mode switching input
28	NC	O	Timing signal output

Pin No.	Pin Name	I/O	Function
29	RESET	I	Reset input
30	XIN	I	System clock input
31	XOUT	O	System clock output
32	VSS	I	Power supply input (GND)
33	TVD	O	TVGP+ vertical sync signal output
34	PASS	O	1-screen through switching output
35	S_SW	O	Sub composite /S switching output
36	M_SW	O	Main video/EPG switching output
37	M_MUTE	O	Main video deletion output
38	S_MUTE	O	Sub video deletion output
39	NC	O	Unused (Fixed at "L" output)
40	NC	O	Unused (Fixed at "L" output)
41	NC	O	Unused (Fixed at "L" output)
42	NC	O	Unused (Fixed at "L" output)
43	NC	O	Unused (Fixed at "L" output)
44	NC	O	Unused (Fixed at "L" output)
45	NC	O	Unused (Fixed at "L" output)
46	NC	O	Unused (Fixed at "L" output)
47	NC	O	Unused (Fixed at "L" output)
48	NC	O	Unused (Fixed at "L" output)
49	NC	O	Unused (Fixed at "L" output)
50	NC	O	Unused (Fixed at "L" output)
51	NC	O	Unused (Fixed at "L" output)
52	NC	O	Unused (Fixed at "L" output)
53	NC	O	Unused (Fixed at "L" output)
54	NC	O	Unused (Fixed at "L" output)
55	NC	O	Unused (Fixed at "L" output)
56	NC	O	Unused (Fixed at "L" output)
57	NC	O	Unused (Fixed at "L" output)
58	NC	O	Unused (Fixed at "L" output)
59	NC	O	Unused (Fixed at "L" output)
60	NC	O	Unused (Fixed at "L" output)
61	NC	O	Unused (Fixed at "L" output)
62	VD	I	TVGP+ VD1 signal input
63	NC	I	Unused (Fixed at "L" output)
64	VDD	I	Power input (+5V)

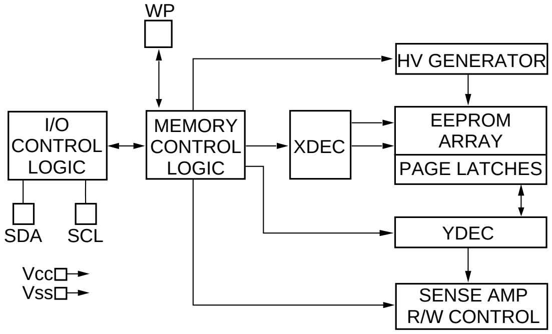
■ 24LC08B(I)S (SIGNAL ASSY: IC7802)

8K EEPROM

- **Pin Assignment**


A0 1
A1 2
A2 3
Vss 4
8 Vcc
7 WP
6 SCL
5 SDA

- **Block Diagram**

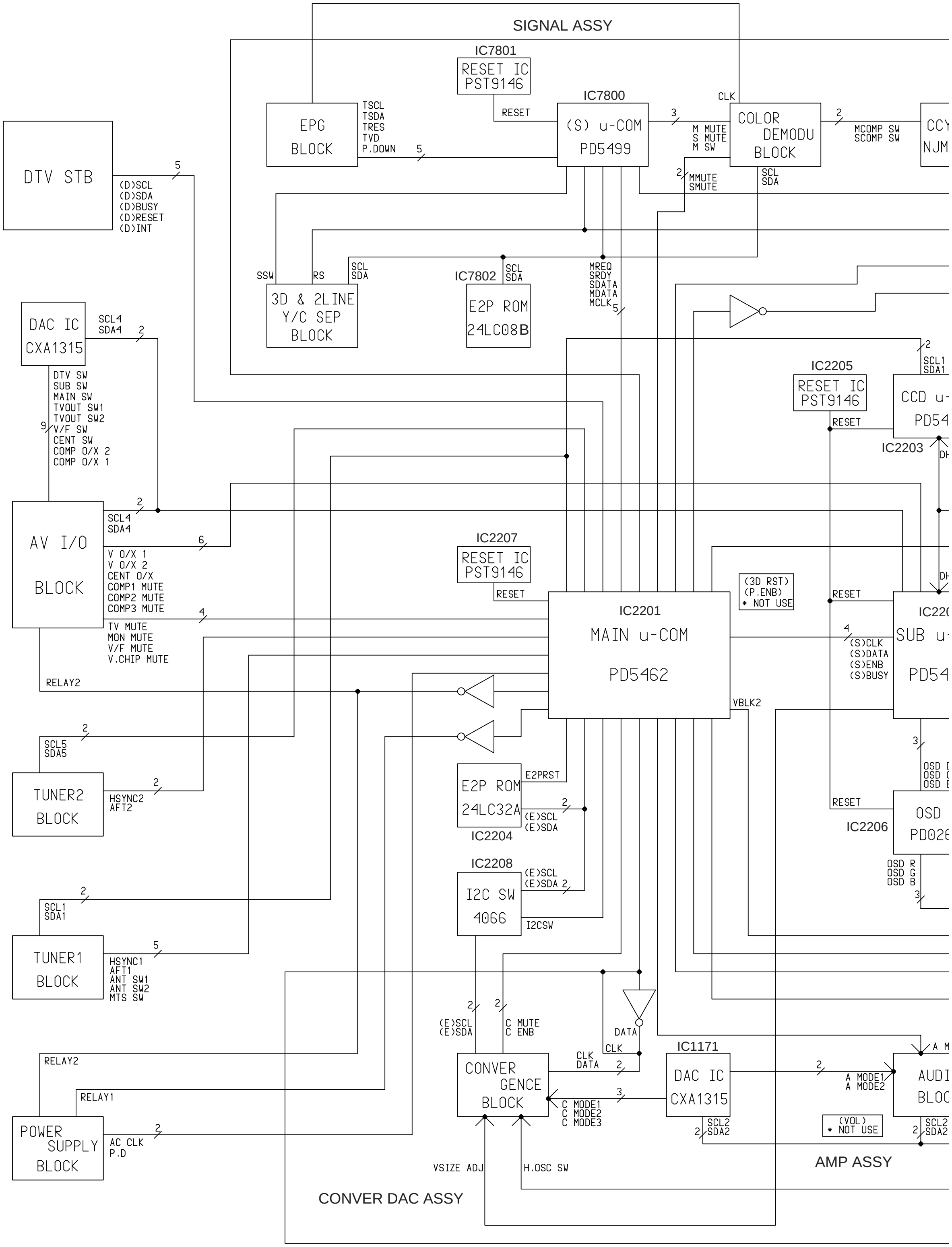

WP
HV GENERATOR
I/O CONTROL LOGIC
MEMORY CONTROL LOGIC
XDEC
EEPROM ARRAY
PAGE LATCHES
SDA
SCL
YDEC
Vcc
Vss
SENSE AMP R/W CONTROL

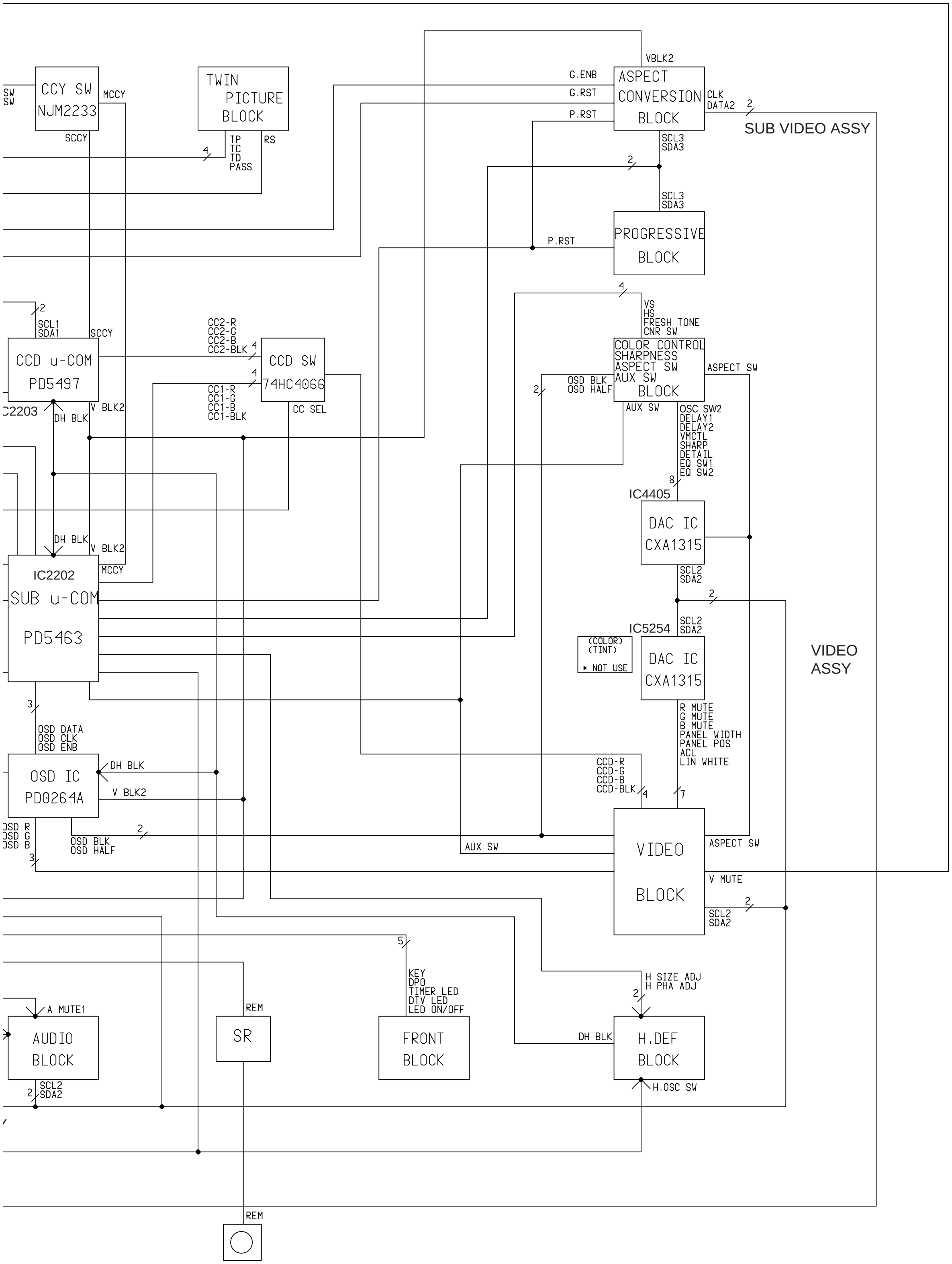
- **Pin Function**

Pin No.	Pin Name	I/O	Function
1	A0	I	No Internal Connection
2	A1	I	No Internal Connection
3	A2	I	No Internal Connection
4	Vss	—	Ground
5	SDA	I/O	Serial Address/Data I/O
6	SCL	I	Serial Clock
7	WP	I	Write Protect Input
8	Vcc	—	+4.5V to 5.5V Power Supply

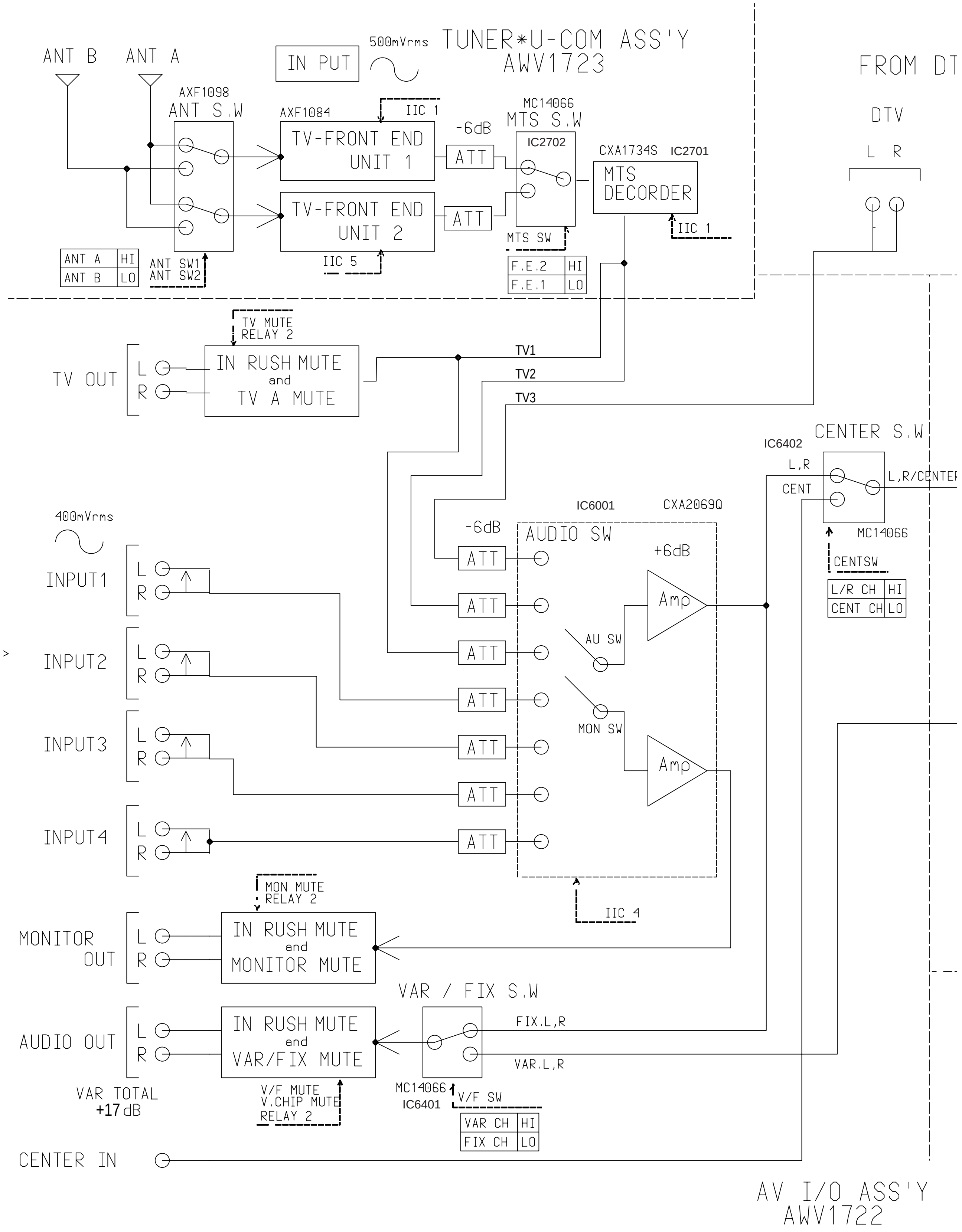
BLOCK DIAGRAMS

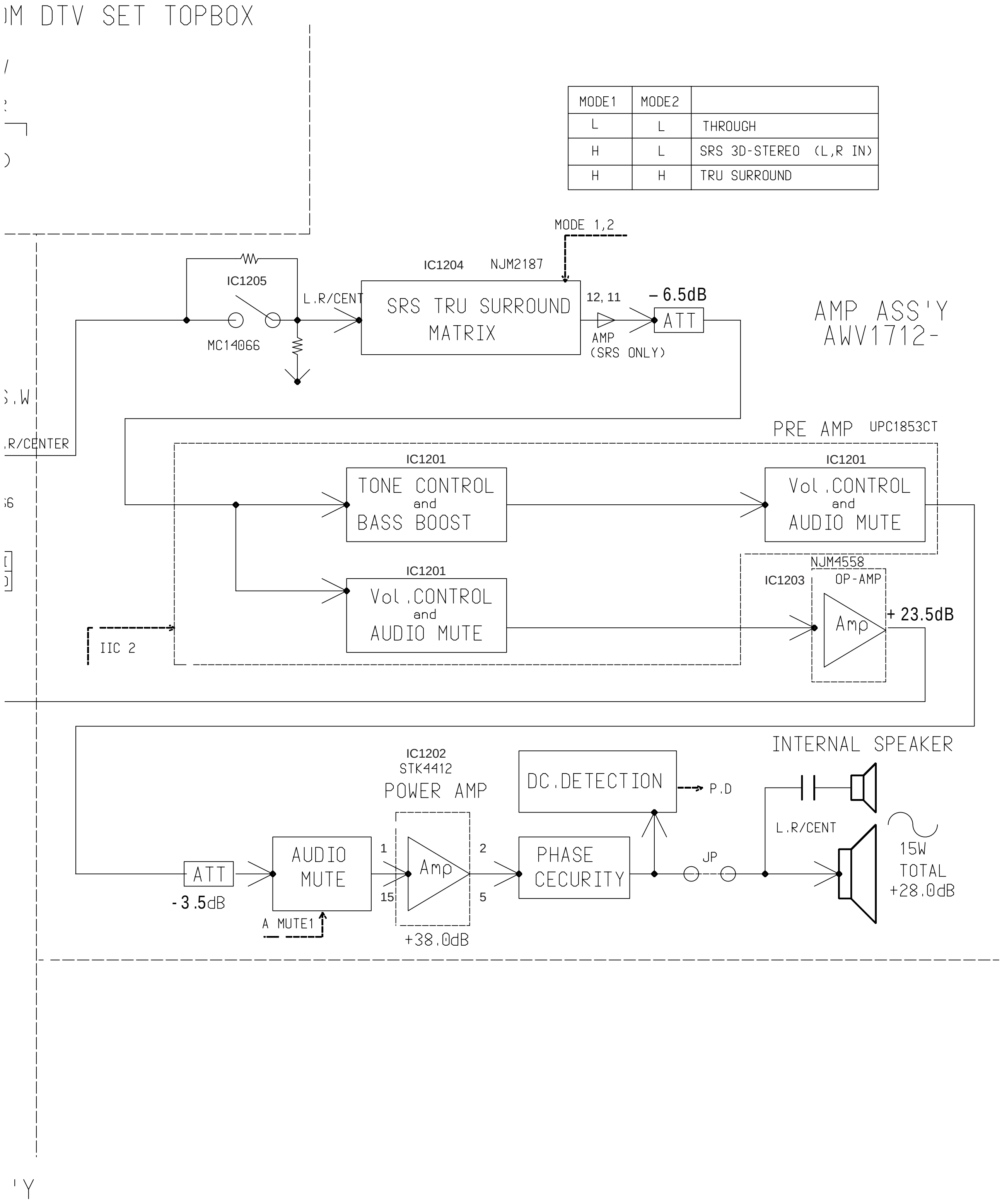
■ μ-COM BLOCK


SIGNAL ASSY
IC7801
RESET IC
PST9146
RESET
IC7800
(S) u-COM
PD5499
CLK
3
M MUTE
S MUTE
M SW
COLOR
DEMODU
BLOCK
2
MCOMP SW
SCOMP SW
CCY
NJM
EPG
BLOCK
TSCL
TSDA
TRES
TVD
P.DOWN
5
DTV STB
5
(D)SCL
(D)SDA
(D)BUSY
(D)RESET
(D)INT
2
MMUTE
SMUTE
SCL
SDA
SSW
RS
SCL
SDA
IC7802
SCL
SDA
MREQ
SRDY
SDATA
MDATA
MCLK
5
3D & 2LINE
Y/C SEP
BLOCK
E2P ROM
24LC08B
DAC IC
CXA1315
SCL4
SDA4
2
DTV SW
SUB SW
MAIN SW
TVOUT SW1
TVOUT SW2
9
V/F SW
CENT SW
COMP O/X 2
COMP O/X 1
IC2205
RESET IC
PST9146
RESET
2
SCL1
SDA1
CCD u-
PD54
IC2203
DH
2
AV I/O
BLOCK
SCL4
SDA4
6
V O/X 1
V O/X 2
CENT O/X
COMP1 MUTE
COMP2 MUTE
COMP3 MUTE
4
TV MUTE
MON MUTE
V/F MUTE
V.CHIP MUTE
RELAY2
IC2207
RESET IC
PST9146
RESET
IC2201
MAIN u-COM
PD5462
(3D RST)
(P.ENB)
* NOT USE
RESET
DH
IC220
4
SUB u-
(S)CLK
(S)DATA
(S)ENB
(S)BUSY
PD54
VBLK2
2
SCL5
SDA5
TUNER2
BLOCK
2
HSYNC2
AFT2
E2P ROM
24LC32A
E2PRST
2
(E)SCL
(E)SDA
IC2204
3
OSD D
OSD C
OSD E
RESET
OSD
PD026
IC2206
IC2208
I2C SW
4066
(E)SCL
(E)SDA 2
I2CSW
OSD R
OSD G
OSD B
3
2
SCL1
SDA1
TUNER1
BLOCK
5
HSYNC1
AFT1
ANT SW1
ANT SW2
MTS SW
2
2
(E)SCL
(E)SDA
C MUTE
C ENB
DATA
CLK
IC1171
A M
RELAY2
CLK
DATA
2
CONVER
GENCE
BLOCK
DAC IC
CXA1315
2
A MODE1
A MODE2
AUDI
BLOC
RELAY1
3
C MODE1
C MODE2
C MODE3
2
SCL2
SDA2
(VOL)
* NOT USE
2
SCL2
SDA2
POWER
SUPPLY
BLOCK
2
AC CLK
P.D
VSIZE ADJ
H.OSC SW
AMP ASSY
CONVER DAC ASSY


SW
SW
CCY SW
NJM2233
MCCY
SCCY
TWIN
PICTURE
BLOCK
TP
TC
TD
PASS
RS
4
G.ENB
G.RST
P.RST
VBLK2
ASPECT
CONVERSION
BLOCK
CLK
DATA2
2
SUB VIDEO ASSY
SCL3
SDA3
2
SCL3
SDA3
P.RST
PROGRESSIVE
BLOCK
4
VS
HS
FRESH TONE
CNR SW
2
SCL1
SDA1
SCCY
CC2-R
CC2-G
CC2-B
CC2-BLK
4
CCD u-COM
PD5497
CCD SW
74HC4066
4
CC1-R
CC1-G
CC1-B
CC1-BLK
CC SEL
C2203
DH BLK
V BLK2
COLOR CONTROL
SHARPNESS
ASPECT SW
AUX SW
BLOCK
OSD BLK
OSD HALF
2
ASPECT SW
AUX SW
OSC SW2
DELAY1
DELAY2
VMCTL
SHARP
DETAIL
EQ SW1
EQ SW2
8
IC4405
DAC IC
CXA1315
DH BLK
V BLK2
MCCY
IC2202
SUB u-COM
PD5463
SCL2
SDA2
2
SCL2
SDA2
IC5254
(COLOR)
(TINT)
* NOT USE
DAC IC
CXA1315
VIDEO
ASSY
3
OSD DATA
OSD CLK
OSD ENB
R MUTE
G MUTE
B MUTE
PANEL WIDTH
PANEL POS
ACL
LIN WHITE
OSD IC
PD0264A
DH BLK
V BLK2
CCD-R
CCD-G
CCD-B
CCD-BLK
4
7
OSD R
OSD G
OSD B
3
OSD BLK
OSD HALF
2
AUX SW
VIDEO
BLOCK
ASPECT SW
V MUTE
2
SCL2
SDA2
5
KEY
DPO
TIMER LED
DTV LED
LED ON/OFF
H SIZE ADJ
H PHA ADJ
2
A MUTE1
AUDIO
BLOCK
REM
SR
FRONT
BLOCK
DH BLK
H.DEF
BLOCK
2
SCL2
SDA2
H.OSC SW
REM

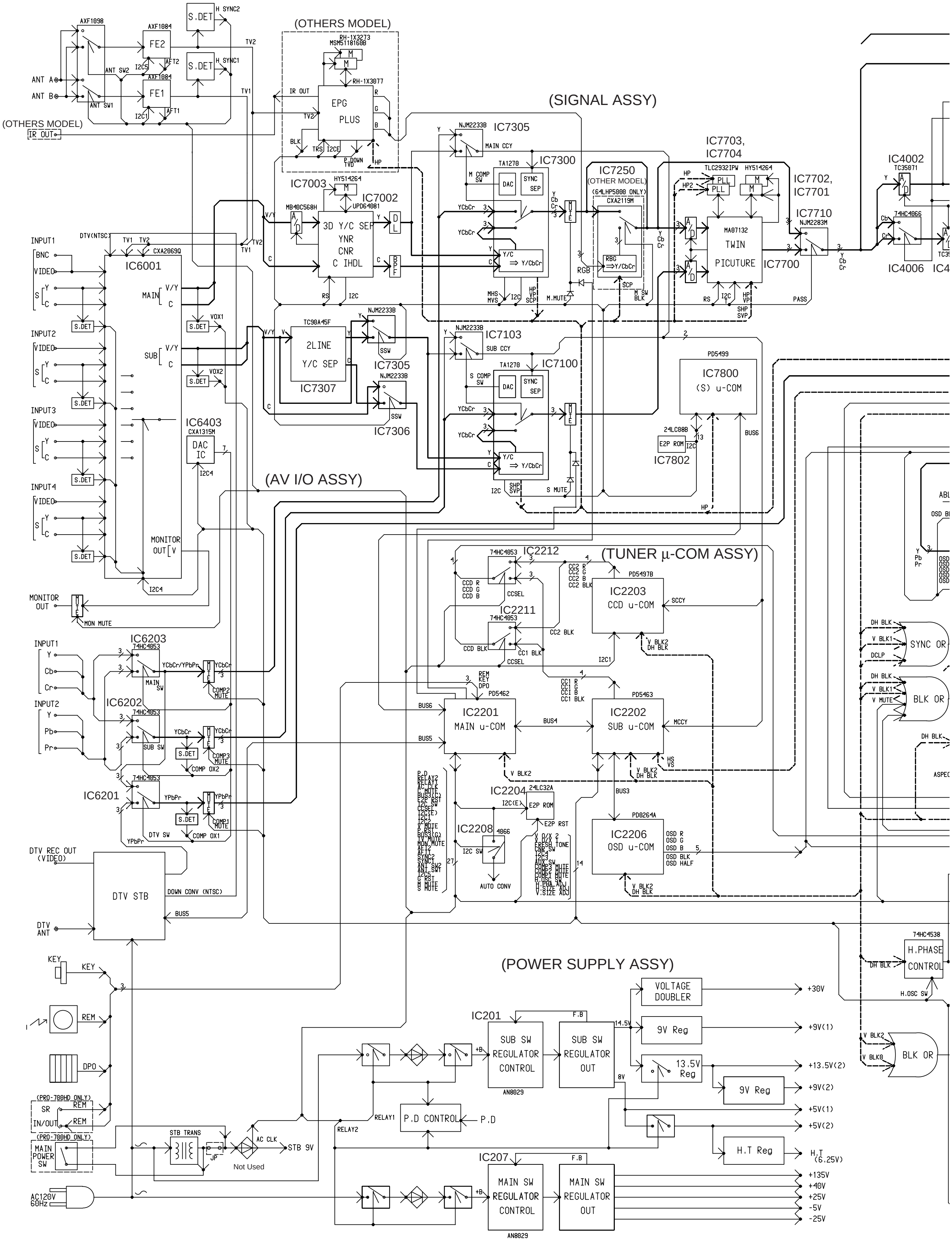
■ AUDIO BLOCK

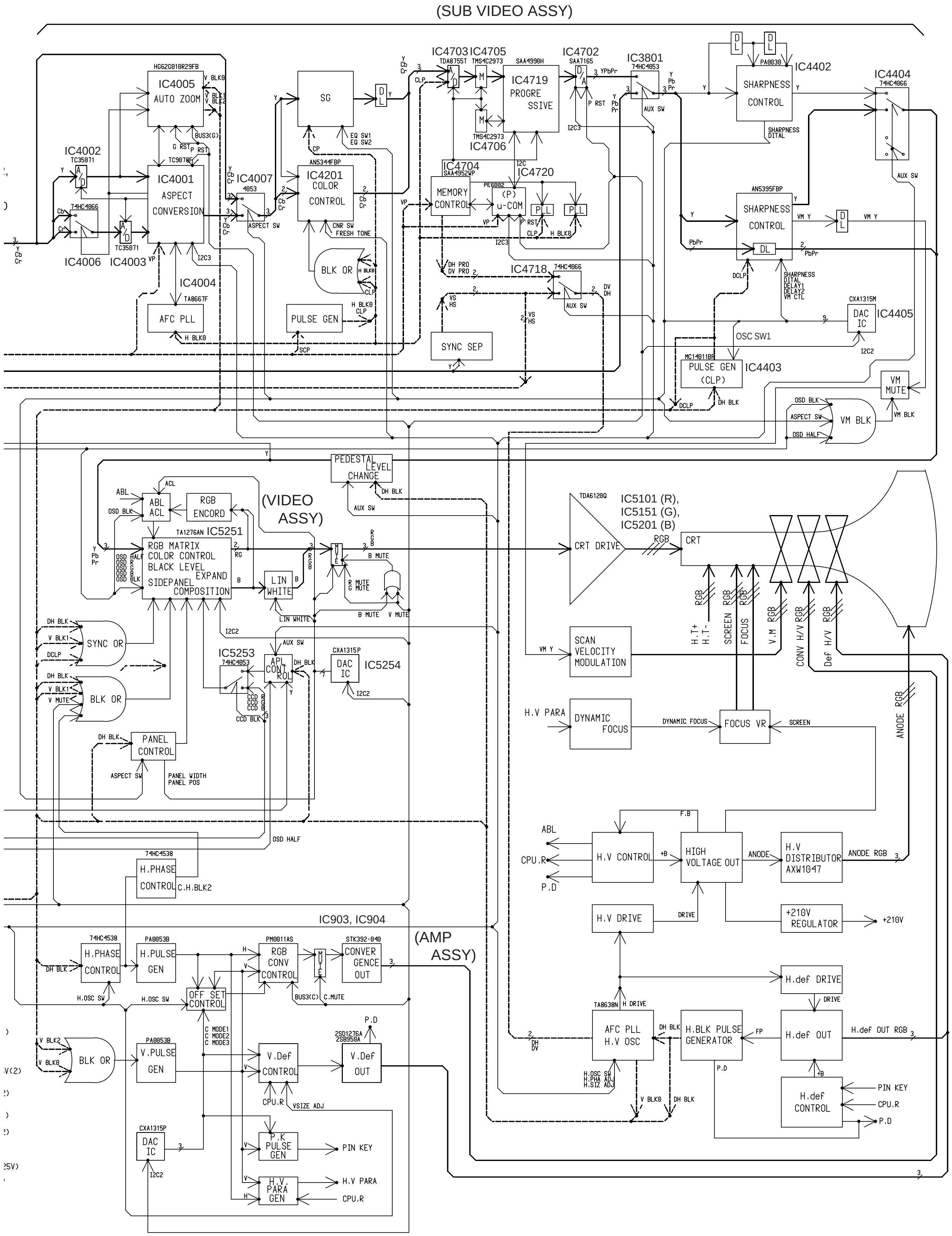

TUNER*U-COM ASS'Y
AWV1723
IN PUT
500mVrms
ANT B
ANT A
AXF1098
ANT S.W
AXF1084
IIC 1
TV-FRONT END UNIT 1
TV-FRONT END UNIT 2
-6dB
ATT
ATT
MC14066
MTS S.W
IC2702
CXA1734S
IC2701
MTS DECORDER
IIC 1
MTS SW
IIC 5
ANT SW1
ANT SW2
ANT A HI
ANT B LO
F.E.2 HI
F.E.1 LO
FROM DT
DTV
L R
TV MUTE
RELAY 2
TV OUT
L
R
IN RUSH MUTE and TV A MUTE
TV1
TV2
TV3
IC6402
CENTER S.W
L,R
CENT
L,R/CENTE
MC14066
CENTSW
L/R CH HI
CENT CH LO
400mVrms
INPUT1
INPUT2
INPUT3
INPUT4
IC6001
CXA2069Q
-6dB
AUDIO SW
+6dB
ATT
Amp
AU SW
MON SW
Amp
IIC 4
MON MUTE
RELAY 2
MONITOR OUT
IN RUSH MUTE and MONITOR MUTE
VAR / FIX S.W
FIX.L,R
VAR.L,R
AUDIO OUT
IN RUSH MUTE and VAR/FIX MUTE
VAR TOTAL
+17dB
V/F MUTE
V.CHIP MUTE
RELAY 2
MC14066
IC6401
V/F SW
VAR CH HI
FIX CH LO
CENTER IN
AV I/O ASS'Y
AWV1722


M DTV SET TOPBOX
MODE 1,2
IC1204
NJM2187
IC1205
L.R/CENT
SRS TRU SURROUND
MATRIX
12, 11
– 6.5dB
ATT
AMP
(SRS ONLY)
MC14066
AMP ASS'Y
AWV1712-
S.W
.R/CENTER
PRE AMP
UPC1853CT
IC1201
TONE CONTROL
and
BASS BOOST
IC1201
Vol.CONTROL
and
AUDIO MUTE
NJM4558
IC1203
OP-AMP
IC1201
Vol.CONTROL
and
AUDIO MUTE
Amp
+ 23.5dB
IIC 2
INTERNAL SPEAKER
IC1202
STK4412
POWER AMP
DC.DETECTION
P.D
L.R/CENT
ATT
-3.5dB
AUDIO
MUTE
A MUTE1
1
15
Amp
2
5
+38.0dB
PHASE
CECURITY
JP
15W
TOTAL
+28.0dB
'Y

MODE1	MODE2	
L	L	THROUGH
H	L	SRS 3D-STEREO (L,R IN)
H	H	TRU SURROUND

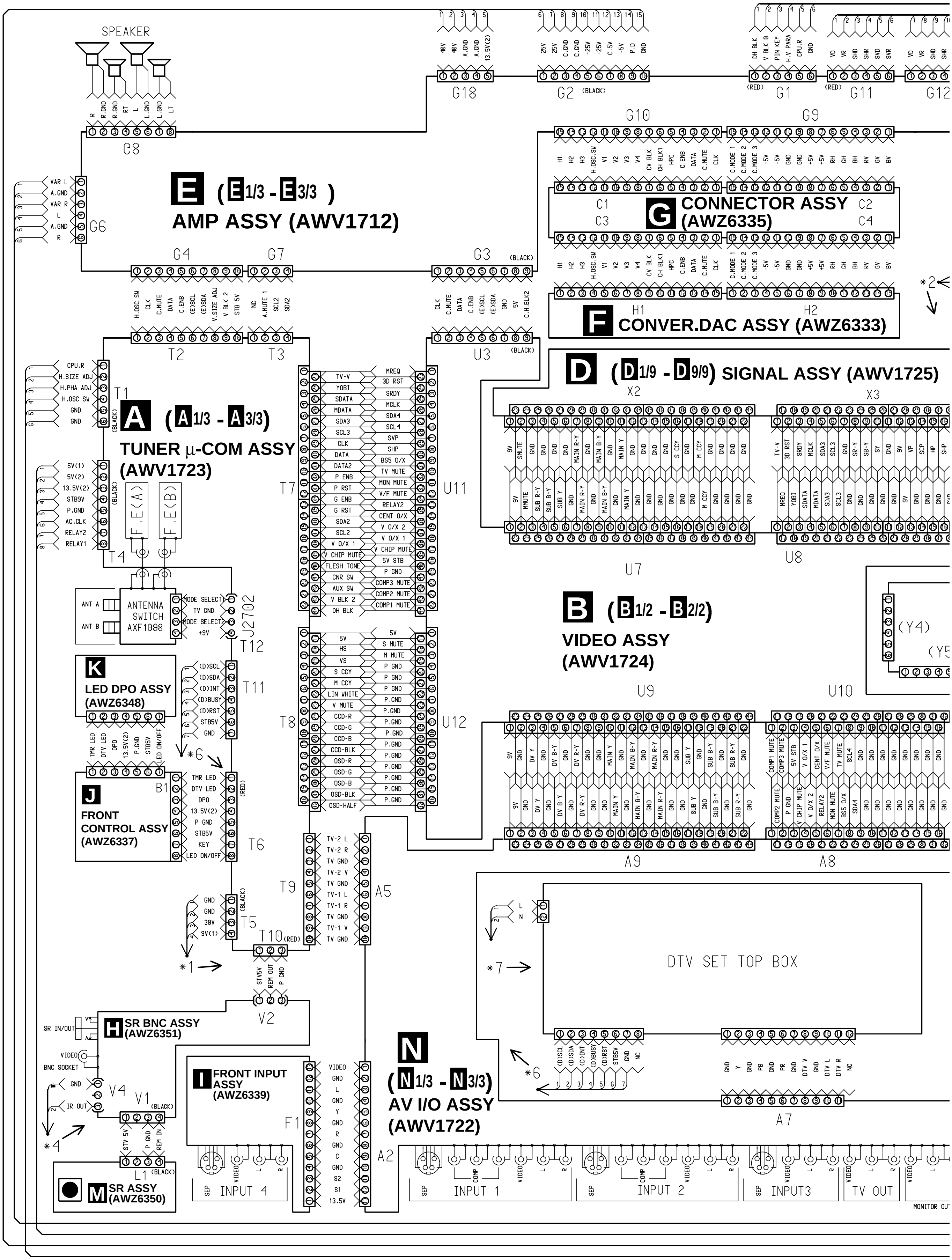
■ VIDEO BLOCK

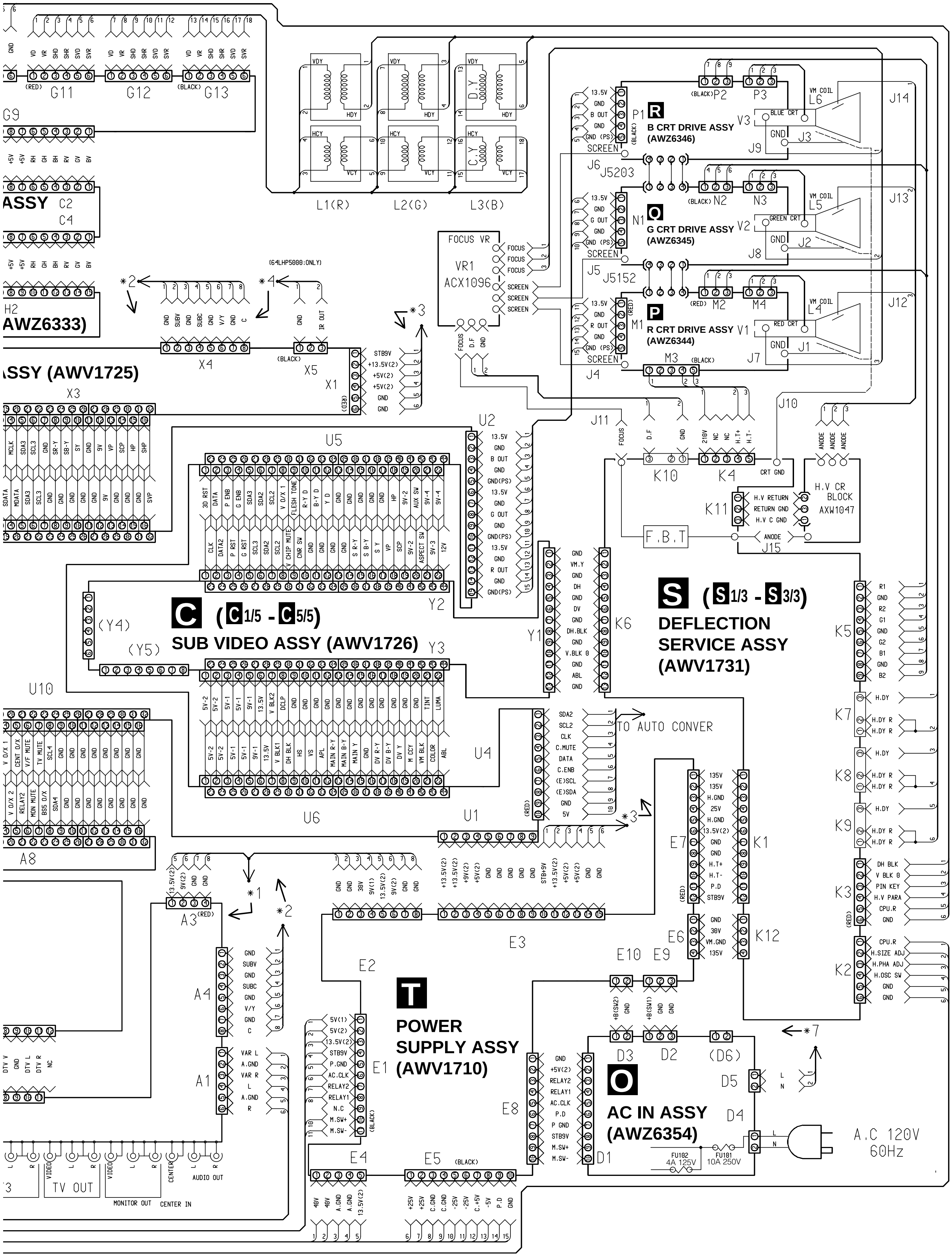

(OTHERS MODEL)
(SIGNAL ASSY)
(AV I/O ASSY)
(TUNER µ-COM ASSY)
(POWER SUPPLY ASSY)
ANT A
ANT B
AXF1098
AXF1084
FE2
FE1
ANT SW2
ANT SW1
I2C5
I2C1
AFT2
AFT1
S.DET
H SYNC2
H SYNC1
TV2
TV1
IR OUT
RH-1X3273
MSM5118160B
RH-1X3077
EPG
PLUS
P.DOWN
TVD
HP
IC7305
NJM2233B
MAIN CCY
IC7300
TA1270
M COMP SW
DAC
SYNC SEP
IC7250
(OTHER MODEL)
(64LHP5000 ONLY)
CXA2119M
RBG ⇒Y/CbCr
SCP
IC7703,
IC7704
TLC2932IPW
HY514264
PLL
IC7702,
IC7701
IC7710
NJM2283M
MA07132
TWIN PICUTURE
IC7700
IC4002
TC35071
74HC4066
IC4006
IC7003
HY514264
IC7002
MB40C568H
UPD64081
3D Y/C SEP
YNR
CNR
C IHDL
D L
B P F
INPUT1
BNC
VIDEO
INPUT2
INPUT3
INPUT4
DTV(NTSC)
CXA2069Q
IC6001
MAIN
SUB
VOX1
VOX2
TC90A45F
2LINE Y/C SEP
IC7307
IC7305
IC7306
SSW
IC7103
SUB CCY
IC7100
S COMP SW
Y/C ⇒ Y/CbCr
S MUTE
M.MUTE
RGB
PASS
IC7800
PD5499
(S) u-COM
24LC08B
E2P ROM
IC7802
BUS6
IC6403
CXA1315M
DAC IC
I2C4
MONITOR OUT
MON MUTE
IC2212
74HC4053
CCD R
CCD G
CCD B
CCSEL
IC2211
CCD BLK
CC1 BLK
CC2 BLK
PD5497B
IC2203
CCD u-COM
SCCY
V BLK2
DH BLK
IC6203
IC6202
IC6201
YCbCr/YPbPr
MAIN SW
SUB SW
DTV SW
COMP2 MUTE
COMP3 MUTE
COMP1 MUTE
COMP OX2
COMP OX1
INPUT1
Y
Cb
Cr
INPUT2
Pb
Pr
REM KEY DPO
PD5462
IC2201
MAIN u-COM
BUS4
PD5463
IC2202
SUB u-COM
MCCY
BUS5
BUS3
HS VS
IC2204
24LC32A
E2P ROM
E2P RST
IC2208
4066
I2C SW
AUTO CONV
PD0264A
IC2206
OSD u-COM
OSD R
OSD G
OSD B
OSD BLK
OSD HALF
DTV REC OUT (VIDEO)
DTV STB
DOWN CONV (NTSC)
DTV ANT
KEY
REM
DPO
(PRO-700HD ONLY)
SR
IN/OUT
MAIN POWER SW
AC120V 60Hz
STB TRANS
JP
Not Used
AC CLK
STB 9V
RELAY1
RELAY2
P.D CONTROL
P.D
IC201
SUB SW REGULATOR CONTROL
SUB SW REGULATOR OUT
AN8029
F.B
VOLTAGE DOUBLER
9V Reg
13.5V Reg
9V Reg
H.T Reg
+30V
+9V(1)
+13.5V(2)
+9V(2)
+5V(1)
+5V(2)
H.T (6.25V)
IC207
MAIN SW REGULATOR CONTROL
MAIN SW REGULATOR OUT
+135V
+40V
+25V
-5V
-25V
SYNC OR
BLK OR
DH BLK
V BLK1
DCLP
V MUTE
74HC4538
H.PHASE CONTROL
H.OSC SW
V BLK2
V BLK0


(SUB VIDEO ASSY)
IC4005 AUTO ZOOM HG62G010R29FB
IC4001 ASPECT CONVERSION TC9078F
IC4002 TC35071
IC4006 74HC4066
IC4003 TC35071
IC4004 AFC PLL TA8667F
IC4007 4053
SG
IC4201 COLOR CONTROL AN5344FBP
BLK OR
PULSE GEN
IC4703 TDA8755T
IC4705 TMS4C2973
IC4719 PROGRESSIVE SAA4990H
IC4706 TMS4C2973
IC4702 SAA7165
IC3801 74HC4053
IC4704 MEMORY CONTROL SAA4952WP
IC4720 (P) u-COM PE6002
PLL
IC4718 74HC4066
SYNC SEP
IC4402 SHARPNESS CONTROL PA0030
SHARPNESS CONTROL AN5395FBP
IC4404 74HC4066
IC4405 DAC IC CXA1315M
IC4403 PULSE GEN (CLP) MC14011BF
VM MUTE
VM BLK
OSC SW1
PEDESTAL LEVEL CHANGE
(VIDEO ASSY)
ABL ACL
RGB ENCORD
IC5251 TA1276AN RGB MATRIX COLOR CONTROL BLACK LEVEL EXPAND SIDEPANEL COMPOSITION
LIN WHITE
MUTE
SYNC OR
BLK OR
IC5253 74HC4053
APL CONTROL
IC5254 DAC IC CXA1315P
PANEL CONTROL
H.PHASE CONTROL 74HC4538
IC5101 (R), IC5151 (G), IC5201 (B)
TDA6120Q
CRT DRIVE
CRT
H.T+ H.T- SCREEN FOCUS V.M CONV H/V Def H/V
SCAN VELOCITY MODULATION
DYNAMIC FOCUS
FOCUS VR
ANODE RGB
H.V CONTROL
HIGH VOLTAGE OUT
H.V DISTRIBUTOR AXW1047
H.V DRIVE
+210V REGULATOR
+210V
IC903, IC904
(AMP ASSY)
H.PHASE CONTROL 74HC4538
H.PULSE GEN PA0053B
RGB CONV CONTROL PM0011AS
MUTE
CONVERGENCE OUT STK392-040
OFF SET CONTROL
BLK OR
V.PULSE GEN PA0053B
V.Def CONTROL
V.Def OUT 2SD1276A 2SB950A
DAC IC CXA1315P
P.K PULSE GEN
H.V. PARA GEN
PIN KEY
H.V PARA
CPU.R
H.def DRIVE
AFC PLL H.V OSC TA8638N
H.BLK PULSE GENERATOR
H.def OUT
H.def CONTROL
H.def OUT RGB
P.D
ABL

SCHEMATIC DIAGRAM

■ OVERALL CONNECTION DIAGRAM


SPEAKER
R R.GND R.GND RT L L.GND L.GND LT
C8
G18
40V 40V A.GND A.GND 13.5V(2)
G2 (BLACK)
25V 25V C.GND C.GND -25V -25V C.5V -5V P.D GND
G1 (RED)
DH BLK V BLK 0 PIN KEY H.V PARA CPU.R GND
G11 (RED)
VD VR SHD SHR SVD SVR
G12
G10
G9
H1 H2 H3 H.OSC.SW V1 V2 V3 V4 CV BLK CH BLK1 HPC C.ENB DATA C.MUTE CLK
C.MODE 1 C.MODE 2 C.MODE 3 -5V -5V GND GND +5V +5V RH GH BH RV GV BV
C1 C2 C3 C4
G CONNECTOR ASSY (AWZ6335)
F CONVER.DAC ASSY (AWZ6333)
H1 H2
*2
E (E1/3 - E3/3)
AMP ASSY (AWV1712)
G6
VAR L A.GND VAR R L A.GND R
G4 G7 G3 (BLACK)
H.OSC SW CLK C.MUTE DATA C.ENB (E)SCL (E)SDA V.SIZE ADJ V BLK 2 STB 5V
NC A.MUTE 1 SCL2 SDA2
CLK C.MUTE DATA C.ENB (E)SCL (E)SDA GND 5V C.H.BLK2
T2 T3 U3 (BLACK)
D (D1/9 - D9/9) SIGNAL ASSY (AWV1725)
X2 X3
T1 (BLACK)
CPU.R H.SIZE ADJ H.PHA ADJ H.OSC SW GND GND
A (A1/3 - A3/3)
TUNER μ-COM ASSY (AWV1723)
T4 (BLACK)
5V(1) 5V(2) 13.5V(2) STB9V P.GND AC.CLK RELAY2 RELAY1
F.E(A) F.E(B)
T7 U11
TV-V YOBI SDATA MDATA SDA3 SCL3 CLK DATA DATA2 P ENB P RST G ENB G RST SDA2 SCL2 V O/X 1 V CHIP MUTE FLESH TONE CNR SW AUX SW V BLK 2 DH BLK
MREQ 3D RST SRDY MCLK SDA4 SCL4 SVP SHP BSS O/X TV MUTE MON MUTE V/F MUTE RELAY2 CENT O/X V O/X 2 V O/X 1 V CHIP MUTE 5V STB P GND COMP3 MUTE COMP2 MUTE COMP1 MUTE
U7 U8
ANT A ANT B
ANTENNA SWITCH AXF1098
MODE SELECT1 TV GND MODE SELECT2 +9V
J2702 T12
B (B1/2 - B2/2)
VIDEO ASSY (AWV1724)
(Y4) (Y5
K LED DPO ASSY (AWZ6348)
T11
(D)SCL (D)SDA (D)INT (D)BUSY (D)RST STB5V GND
TMR LED DTV LED DPO 13.5V(2) P.GND STB5V LED ON/OFF
*6
J FRONT CONTROL ASSY (AWZ6337)
B1
T6 (RED)
TMR LED DTV LED DPO 13.5V(2) P GND STB5V KEY LED ON/OFF
T8 U12
5V HS VS S CCY M CCY LIN WHITE V MUTE CCD-R CCD-G CCD-B CCD-BLK OSD-R OSD-G OSD-B OSD-BLK OSD-HALF
5V S MUTE M MUTE P GND P GND P GND P.GND P.GND P.GND P.GND P.GND P.GND P.GND P.GND P.GND
U9 U10
A9 A8
T9 A5
TV-2 L TV-2 R TV GND TV-2 V TV GND TV-1 L TV-1 R TV GND TV-1 V TV GND
T5 (BLACK)
GND GND 30V 9V(1)
T10 (RED)
*1
STV5V REM OUT P GND
V2
DTV SET TOP BOX
L N
*7
H SR BNC ASSY (AWZ6351)
SR IN/OUT
VIDEO BNC SOCKET
GND IR OUT
V4 V1 (BLACK)
*4
STV 5V P GND REM IN
L1 (BLACK)
M SR ASSY (AWZ6350)
I FRONT INPUT ASSY (AWZ6339)
F1 A2
VIDEO GND L GND Y GND R GND C GND S2 S1 13.5V
SEP VIDEO L R INPUT 4
N (N1/3 - N3/3)
AV I/O ASSY (AWV1722)
(D)SCL (D)SDA (D)INT (D)BUSY (D)RST STB5V GND NC
*6
GND Y GND PB GND PR GND DTV V GND DTV L DTV R NC
A7
SEP COMP VIDEO L R INPUT 1
SEP COMP VIDEO L R INPUT 2
SEP VIDEO L R INPUT3
VIDEO L R TV OUT
VIDEO MONITOR OUT


G11
G12
G13
G9
ASSY
C2
C4
H2
AWZ6333)
ASSY (AWV1725)
X3
X4
X5
X1
(64LHP5000:ONLY)
*1
*2
*3
*4
*7
L1(R)
L2(G)
L3(B)
VDY
HDY
HCY
VCY
D.Y
C.Y
FOCUS VR
VR1
ACX1096
FOCUS
SCREEN
R
B CRT DRIVE ASSY
(AWZ6346)
O
G CRT DRIVE ASSY
(AWZ6345)
P
R CRT DRIVE ASSY
(AWZ6344)
P1
P2
P3
N1
N2
N3
M1
M2
M3
M4
J5203
J5152
J1
J2
J3
J4
J5
J6
J7
J8
J9
J10
J11
J12
J13
J14
J15
V1
V2
V3
L4
L5
L6
VM COIL
BLUE CRT
GREEN CRT
RED CRT
U1
U2
U4
U5
U6
U10
Y1
Y2
Y3
(Y4)
(Y5)
A1
A3
A4
A8
C (C1/5 - C5/5)
SUB VIDEO ASSY (AWV1726)
S (S1/3 - S3/3)
DEFLECTION
SERVICE ASSY
(AWV1731)
K1
K2
K3
K4
K5
K6
K7
K8
K9
K10
K11
K12
H.V CR
BLOCK
AXW1047
F.B.T
ANODE
CRT GND
TO AUTO CONVER
T
POWER
SUPPLY ASSY
(AWV1710)
E1
E2
E3
E4
E5
E6
E7
E8
E9
E10
O
AC IN ASSY
(AWZ6354)
D1
D2
D3
D4
D5
(D6)
FU102
4A 125V
FU181
10A 250V
A.C 120V
60Hz
TV OUT
AUDIO OUT
MONITOR OUT
CENTER IN

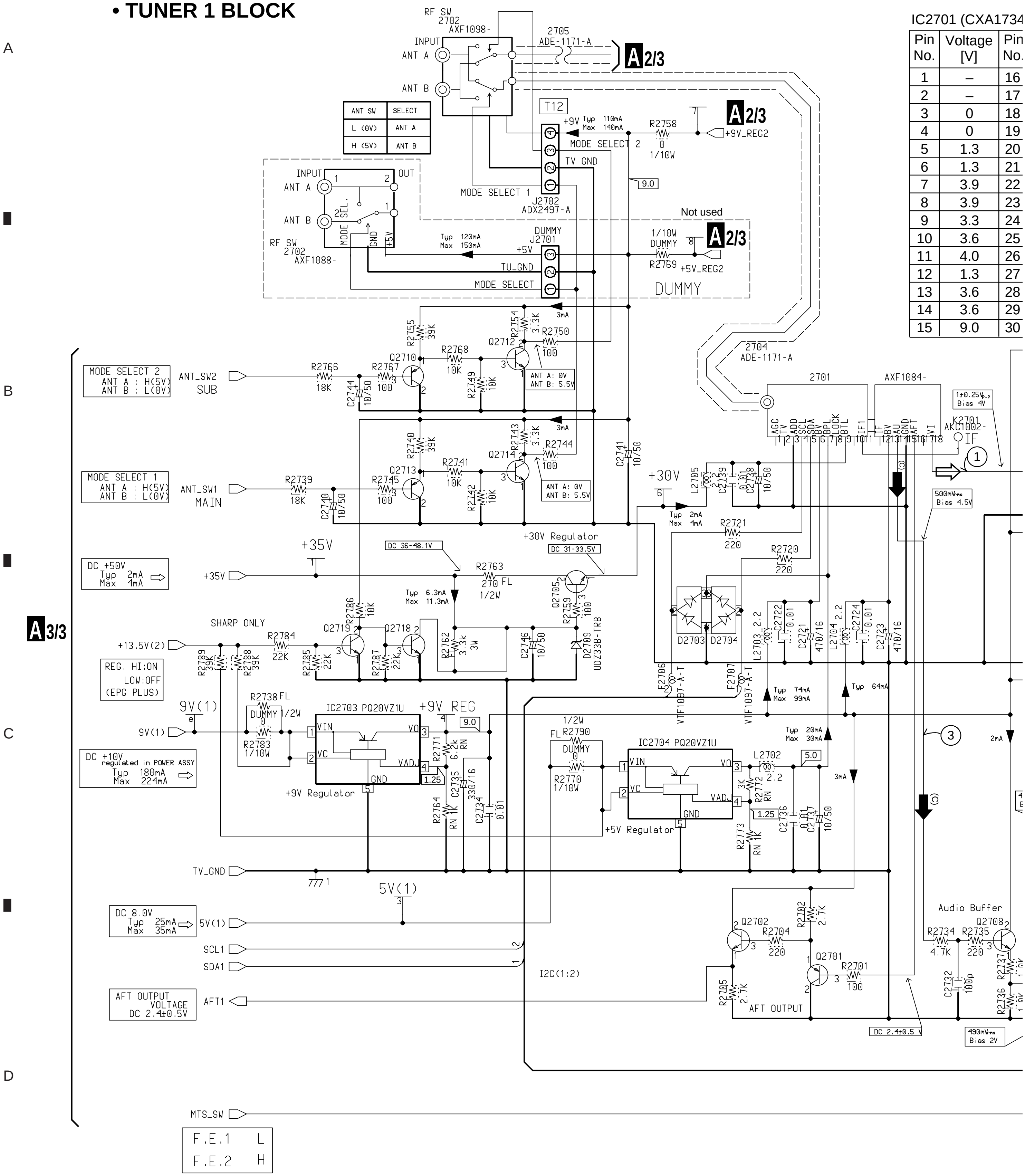
■ TUNER μ-COM ASSY (1/3)

A TUNER μ-COM ASSY (1/3) (AWV1723)

• TUNER 1 BLOCK

IC2701 (CXA1734

Pin No.	Voltage [V]	Pin No.
1	–	16
2	–	17
3	0	18
4	0	19
5	1.3	20
6	1.3	21
7	3.9	22
8	3.9	23
9	3.3	24
10	3.6	25
11	4.0	26
12	1.3	27
13	3.6	28
14	3.6	29
15	9.0	30


A
B
C
D
RF SW 2702 AXF1098-
INPUT
ANT A
ANT B
2705 ADE-1171-A
A 2/3
ANT SW | SELECT
L (0V) | ANT A
H (5V) | ANT B
T12
+9V Typ 110mA Max 140mA
R2758 0 1/10W
+9V_REG2
MODE SELECT 2
TV GND
MODE SELECT 1
J2702 ADX2497-A
9.0
Not used
INPUT OUT
MODE SEL.
GND
+5V
RF SW 2702 AXF1088-
Typ 120mA Max 150mA
DUMMY J2701
+5V
TU_GND
MODE SELECT
1/10W DUMMY R2769
+5V_REG2
DUMMY
R2755 39K
R2754 3.3k
3mA
R2750 100
Q2712
Q2710
R2768 10K
2704 ADE-1171-A
MODE SELECT 2 ANT A : H(5V) ANT B : L(0V)
ANT_SW2 SUB
R2766 18K
R2767 100
C2744 10/50
R2749 10K
ANT A: 0V ANT B: 5.5V
2701
AXF1084-
AGC TV ADD SCL SDA BV BPL LOCK BTL IF1 IF BV AU GND AFT VI
1±0.25Vp-p Bias 4V
K2701 AKC1002- IF
R2740 39K
R2743 3.3k
R2744 100
Q2714
Q2713
R2741 10K
MODE SELECT 1 ANT A : H(5V) ANT B : L(0V)
ANT_SW1 MAIN
R2739 18K
R2745 100
C2740 10/50
R2742 10K
C2741 10/50
+30V
L2705 2.2
C2739 0.01
C2738 10/50
500mVrms Bias 4.5V
Typ 2mA Max 4mA
R2721 220
R2720 220
+35V
DC 36-48.1V
+30V Regulator
DC 31-33.5V
DC +50V Typ 2mA Max 4mA
+35V
R2763 270 FL 1/2W
Q2705
R2759 100
Typ 6.3mA Max 11.3mA
SHARP ONLY
R2786 10K
Q2719
Q2718
R2762 3.3k 3W
C2746 10/50
D2709 UDZ33B-TRB
D2703 D2704
L2703 2.2
C2722 0.01
C2721 470/16
L2704 2.2
C2724 0.01
C2723 470/16
+13.5V(2)
R2784 22K
R2789 39K
R2788 39K
R2785 22K
R2787 22K
REG. HI:ON LOW:OFF (EPG PLUS)
F2706 VTF1097-A-T
F2707 VTF1097-A-T
Typ 74mA Max 99mA
Typ 64mA
R2738 FL 1/2W
9V(1)
DUMMY 0
R2783 1/10W
IC2703 PQ20VZ1U
+9V REG
9.0
VIN VO VC VADJ GND
R2771 6.2k RN
1.25
C2735 330/16
C2734 0.01
R2764 RN 1K
+9V Regulator
DC +10V regulated in POWER ASSY Typ 180mA Max 224mA
1/2W FL R2790 DUMMY 0
R2770 1/10W
IC2704 PQ20VZ1U
L2702 2.2
5.0
Typ 20mA Max 30mA
R2772 3K RN
C2736 0.01
C2737 10/50
R2773 RN 1K
+5V Regulator
3mA
2mA
TV_GND
5V(1)
DC 8.0V Typ 25mA Max 35mA
5V(1)
SCL1
SDA1
I2C(1:2)
AFT OUTPUT VOLTAGE DC 2.4±0.5V
AFT1
Q2702
R2704 220
R2702 2.7K
Q2701
R2701 100
R2705 2.7K
AFT OUTPUT
DC 2.4±0.5 V
Audio Buffer
Q2708
R2734 4.7K
R2735 220
C2732 100p
R2737 1.0K
R2736 1.0K
490mVrms Bias 2V
A 3/3
MTS_SW

F.E.1	L
F.E.2	H

A 1/3

701 (CXA1734S)

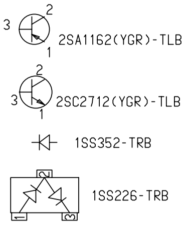
Voltage [V]	Pin No.	Voltage [V]
–	16	2.9
–	17	0
0	18	3.6
0	19	3.6
1.3	20	3.5
1.3	21	4.0
3.9	22	1.7
3.9	23	4.0
3.3	24	3.9
3.6	25	3.9
4.0	26	1.8
1.3	27	1.3
3.6	28	4.0
3.6	29	4.0
9.0	30	–

FRONT END
M2701 (M2801)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	7.0	10	–
2	1.0	11	–
3	0*	12	–
4	–	13	9.0
5	–	14	4.7
6	9.0	15	0
7	5.0	16	3.0
8	–	17	–
9	33	18	4.7

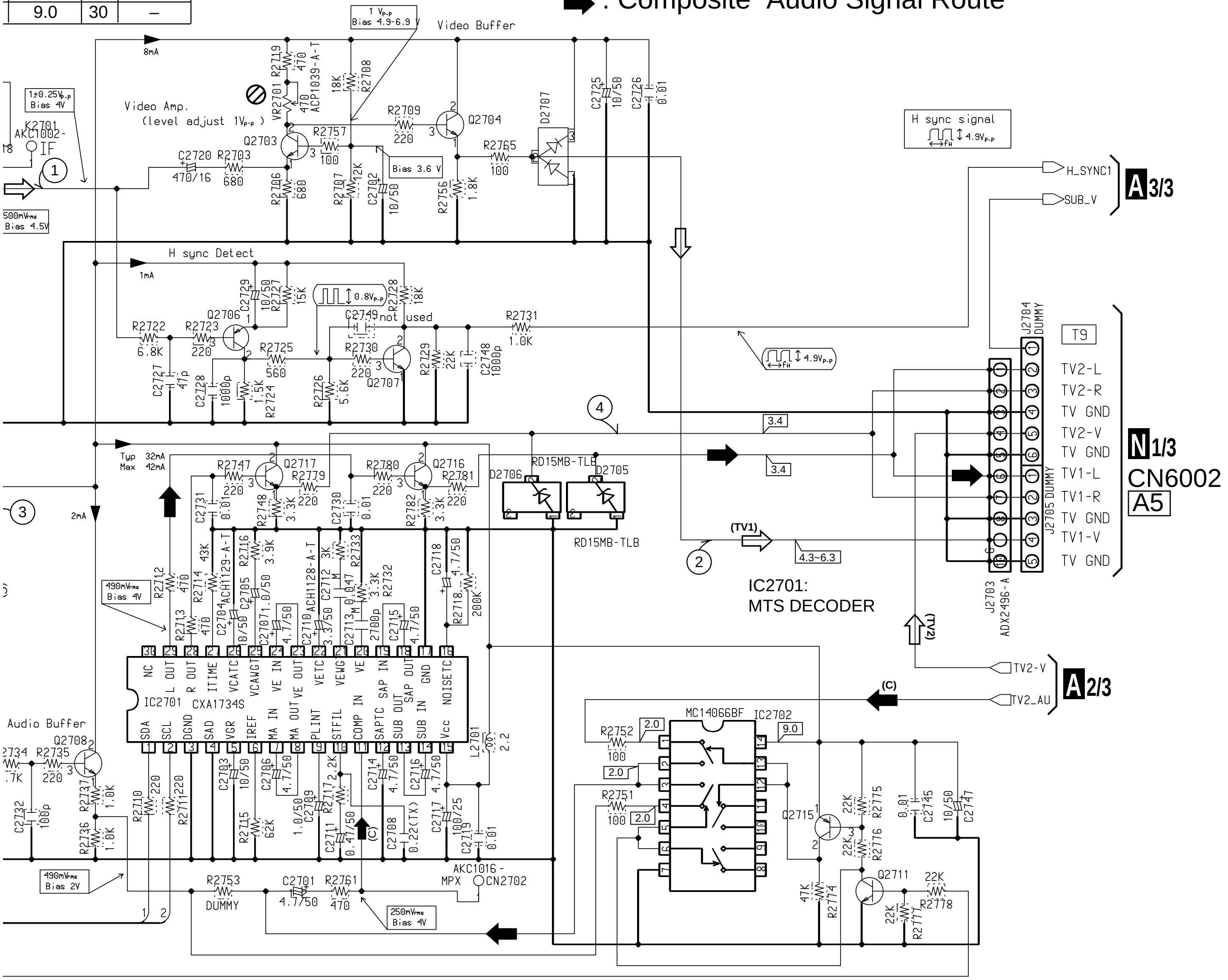
*M2801 [5V]

Notes
1.RESISTORS
Indicated in Ω
tolerance unless otherwise noted k Ω
2.CAPASITORS
Indicated in capacity(uF)/Voltage unless
otherwise noted p pF
Indication without voltage is 50V except electrolytic capacitor.



2SA1162(YGR)-TLB
2SC2712(YGR)-TLB
1SS352-TRB
1SS226-TRB

SIGNAL ROUTE
⇨ : Video Signal Route (TV1,TV2)
➡ : Audio Signal Route (TV1.L,TV2.L)
(C) ➡ : Composite Audio Signal Route

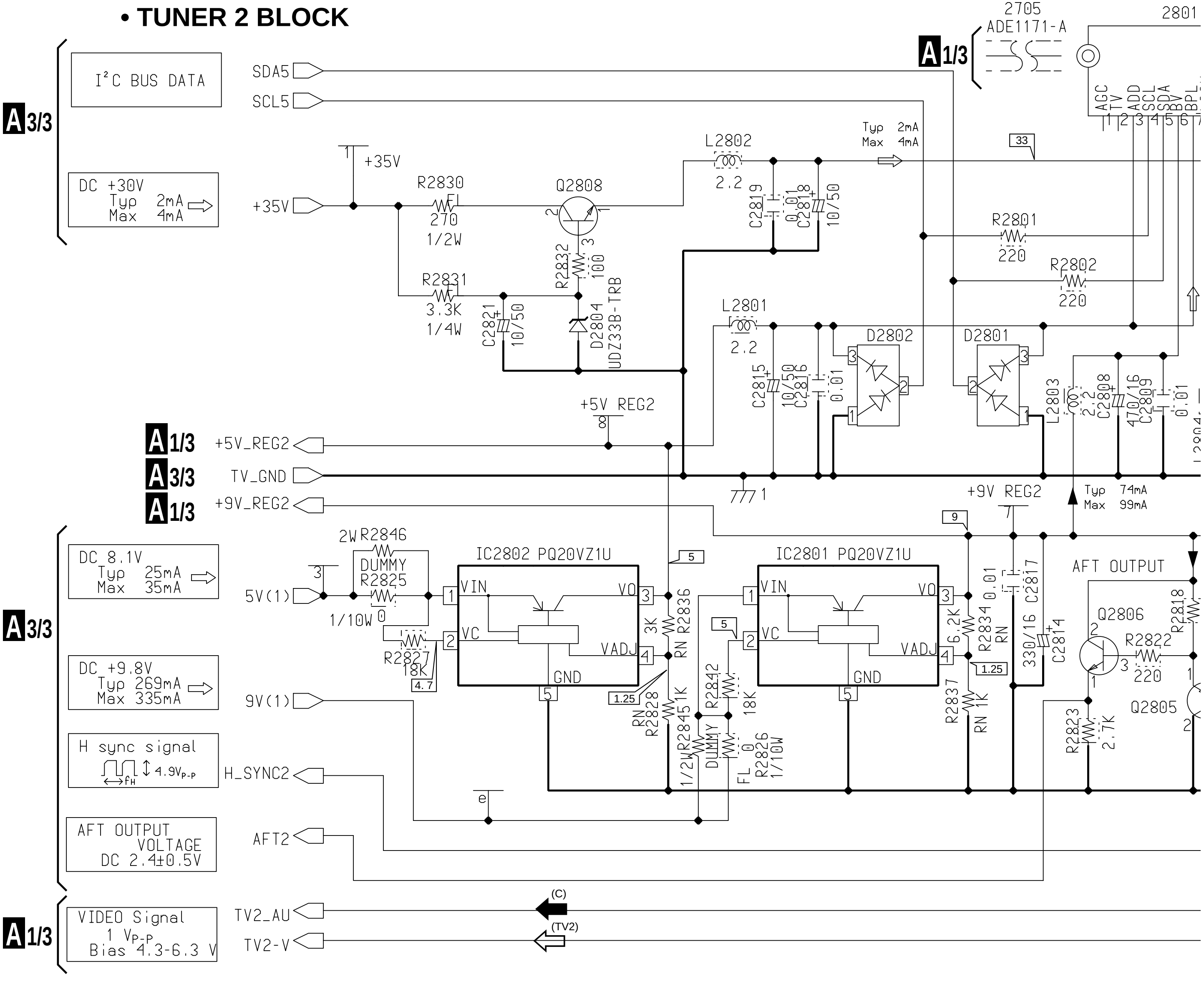


1 Vp-p Bias 4.9-6.9 V
Video Buffer
Video Amp. (level adjust 1Vp-p)
VR2701 R2719 470 ACP1039-A-T
R2708 18K
Q2703
Q2704
R2709 220
R2757 100
C2720 470/16
R2703 680
R2706 680
R2707 12K
C2702 10/50
Bias 3.6 V
R2765 100
R2756 1.8K
D2707
C2725 10/50
C2726 0.01
8mA
1±0.25Vp-p Bias 4V
K2701 AKC1002-IF
500mVrms Bias 4.5V
H sync signal 4.9Vp-p
H_SYNC1
SUB_V
A 3/3
H sync Detect
1mA
C2729 10/50
R2727 15K
0.8Vp-p
R2728 18K
C2749 not used
R2731 1.0K
Q2706
R2722 6.8K
R2723 220
R2725 560
R2730 220
Q2707
R2729 22K
C2748 1000p
C2727 47p
C2728 1000p
R2724 1.5K
R2726 5.6K
4.9Vp-p
J2704 DUMMY
T9
TV2-L
TV2-R
TV GND
TV2-V
TV GND
TV1-L
TV1-R
TV GND
TV1-V
TV GND
N 1/3
CN6002
A5
J2705 DUMMY
J2703 ADX2496-A
3.4
3.4
4.3~6.3
(TV1)
(TV2)
IC2701: MTS DECODER
Typ 32mA Max 42mA
2mA
R2747 220
Q2717
R2779 220
R2748 3.3K
C2731 0.01
C2730 0.01
R2780 220
Q2716
R2781 220
R2782 3.3K
D2706
D2705
RD15MB-TLB
490mVrms Bias 4V
R2712 470
R2713 470
R2714 43K
ACH1129-A-T
R2716 3.9K
C2704 10/50
C2705 10/50
C2707 1.0/50
C2709 4.7/50
C2710 3.3/50
ACH1128-A-T
R2733 3K
C2712 0.47
R2732 3.3K
C2713 2700p
C2715 4.7/50
C2718 4.7/50
R2718 200K
NC L OUT R OUT ITIME VCATC VCAWGT VE IN VE OUT VETC VEWG VE SAP IN SAP OUT GND NOISETC
SDA SCL DGND SAD VGR IREF MA IN MA OUT PLINT STFIL COMP IN SAPTC SUB OUT SUB IN Vcc
IC2701 CXA1734S
L2701 2.2
Audio Buffer
Q2708
R2734 4.7K
R2735 220
R2737 1.0K
C2732 100p
R2736 1.0K
R2710 220
R2711 220
C2703 10/50
C2706 4.7/50
R2715 62K
C2709 1.0/50
R2717 2.2K
C2711 0.47/50
C2714 4.7/50
C2708 0.22(TX)
C2716 4.7/50
C2717 100/25
C2719 0.01
(C)
490mVrms Bias 2V
R2753 DUMMY
C2701 4.7/50
R2761 470
AKC1016-MPX CN2702
250mVrms Bias 4V
TV2-V
TV2_AU
A 2/3
MC14066BF IC2702
R2752 100
R2751 100
2.0
9.0
Q2715
R2775 22K
R2776 22K
C2745 0.01
C2747 10/50
R2774 47K
Q2711
R2777 22K
R2778 22K

■ TUNER μ-COM ASSY (2/3)

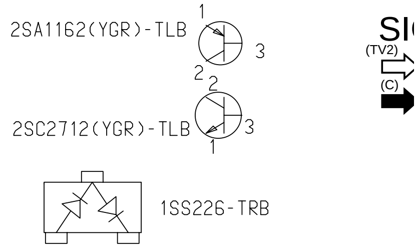
A TUNER μ-COM ASSY(2/3) (AWV1723)

• TUNER 2 BLOCK


A
B
C
A 3/3
I²C BUS DATA
SDA5
SCL5
DC +30V
Typ 2mA
Max 4mA
+35V
A 1/3
2705
ADE1171-A
2801
AGC
TV
ADD
SCL
SDA
BV
BPL
1 2 3 4 5 6
33
Typ 2mA
Max 4mA
L2802
2.2
C2819
0.01
C2818
10/50
R2830
FL
270
1/2W
Q2808
R2832
100
R2831
3.3K
1/4W
C2821
10/50
D2804
UDZ33B-TRB
R2801
220
R2802
220
L2801
2.2
C2815
10/50
C2816
0.01
D2802
D2801
L2803
2.2
C2808
470/16
C2809
0.01
+5V REG2
8
A 1/3
+5V_REG2
A 3/3
TV_GND
A 1/3
+9V_REG2
+9V REG2
7
Typ 74mA
Max 99mA
9
DC 8.1V
Typ 25mA
Max 35mA
5V(1)
2W R2846
DUMMY
R2825
1/10W 0
R2827
18K
4.7
IC2802 PQ20VZ1U
VIN
VO
VC
VADJ
GND
1 2 3 4 5
R2836
3K
RN
1.25
R2828
RN
R2845 1K
1/2W
R2842
DUMMY
18K
FL 0
R2826
1/10W
IC2801 PQ20VZ1U
R2834
6.2K
RN
1.25
R2837
RN 1K
C2817
0.01
C2814
330/16
AFT OUTPUT
Q2806
R2818
R2822
220
Q2805
R2823
2.7K
DC +9.8V
Typ 269mA
Max 335mA
9V(1)
H sync signal
4.9Vp-p
fH
H_SYNC2
e
AFT OUTPUT
VOLTAGE
DC 2.4±0.5V
AFT2
A 1/3
VIDEO Signal
1 Vp-p
Bias 4.3-6.3 V
TV2_AU
(C)
TV2-V
(TV2)

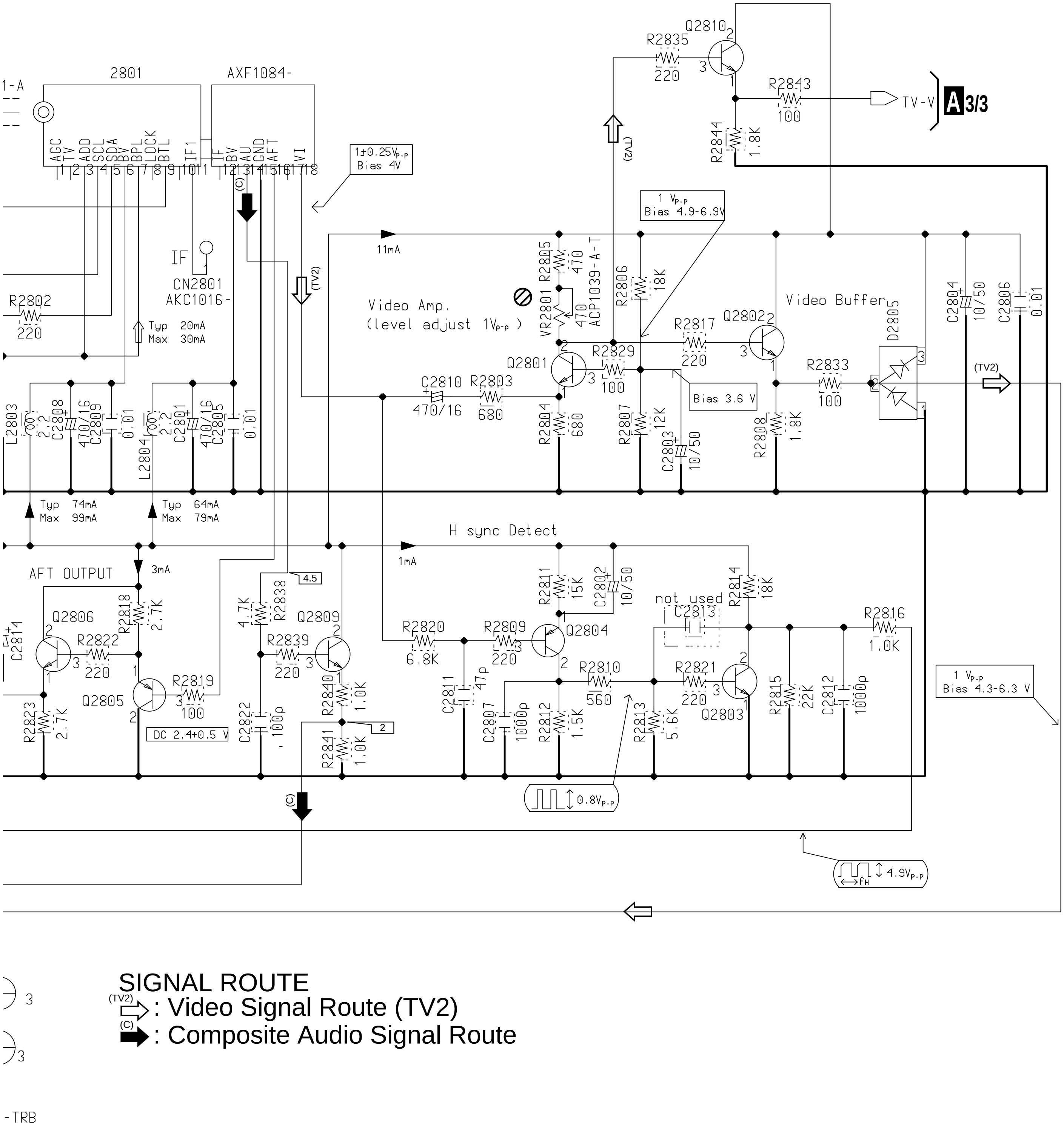
1.RESISTERS indicated in 1/2W,1/4W,1/10W,1WFL,2WFL 5% tolerance unless otherwise noted K;kΩ , M;MΩ (F)+1% , (G)+2% , (K)+10% , (M)+20% tolerance

2.CAPACITORS indicated in capasity (uF)/(V) unless otherwise noted pF indicated without voltage is 50V except electrolytic capacitor


2SA1162(YGR)-TLB
1
2
3
2SC2712(YGR)-TLB
2
3
1
1SS226-TRB
SI
(TV2)
(C)

D

A 2/3


1-A
2801
AXF1084-
AGC TV ADD SCL SDA BV BPL LOCK BTL IF1 IF BV AU GND AFT VI
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
1±0.25Vp-p Bias 4V
IF
CN2801
AKC1016-
R2802
220
Typ 20mA
Max 30mA
L2803
2.2
C2808
470/16
C2809
0.01
L2804
2.2
C2801
470/16
C2805
0.01
Typ 74mA
Max 99mA
Typ 64mA
Max 79mA
AFT OUTPUT
3mA
Q2806
C2814
R2822
220
R2823
2.7K
R2818
2.7K
Q2805
R2819
100
DC 2.4+0.5 V
4.7K
R2838
4.5
Q2809
R2839
220
C2822
100p
R2840
1.0K
R2841
1.0K
2
(C)
(TV2)
11mA
Video Amp.
(level adjust 1Vp-p)
R2805
470
VR2801
470
ACP1039-A-T
Q2801
C2810
470/16
R2803
680
R2804
680
R2829
100
R2806
18K
R2807
12K
C2803
10/50
Bias 3.6 V
1 Vp-p
Bias 4.9-6.9V
Q2810
R2835
220
R2843
100
TV-V
A3/3
R2844
1.8K
R2817
220
Q2802
Video Buffer
R2808
1.8K
R2833
100
D2805
C2804
10/50
C2806
0.01
(TV2)
H sync Detect
1mA
R2811
15K
C2802
10/50
R2820
6.8K
R2809
220
Q2804
C2811
47p
C2807
1000p
R2812
1.5K
R2810
560
not used
C2813
R2814
18K
R2821
220
Q2803
R2813
5.6K
R2815
22K
C2812
1000p
R2816
1.0K
1 Vp-p
Bias 4.3-6.3 V
0.8Vp-p
4.9Vp-p
fH
3
3
-TRB

SIGNAL ROUTE

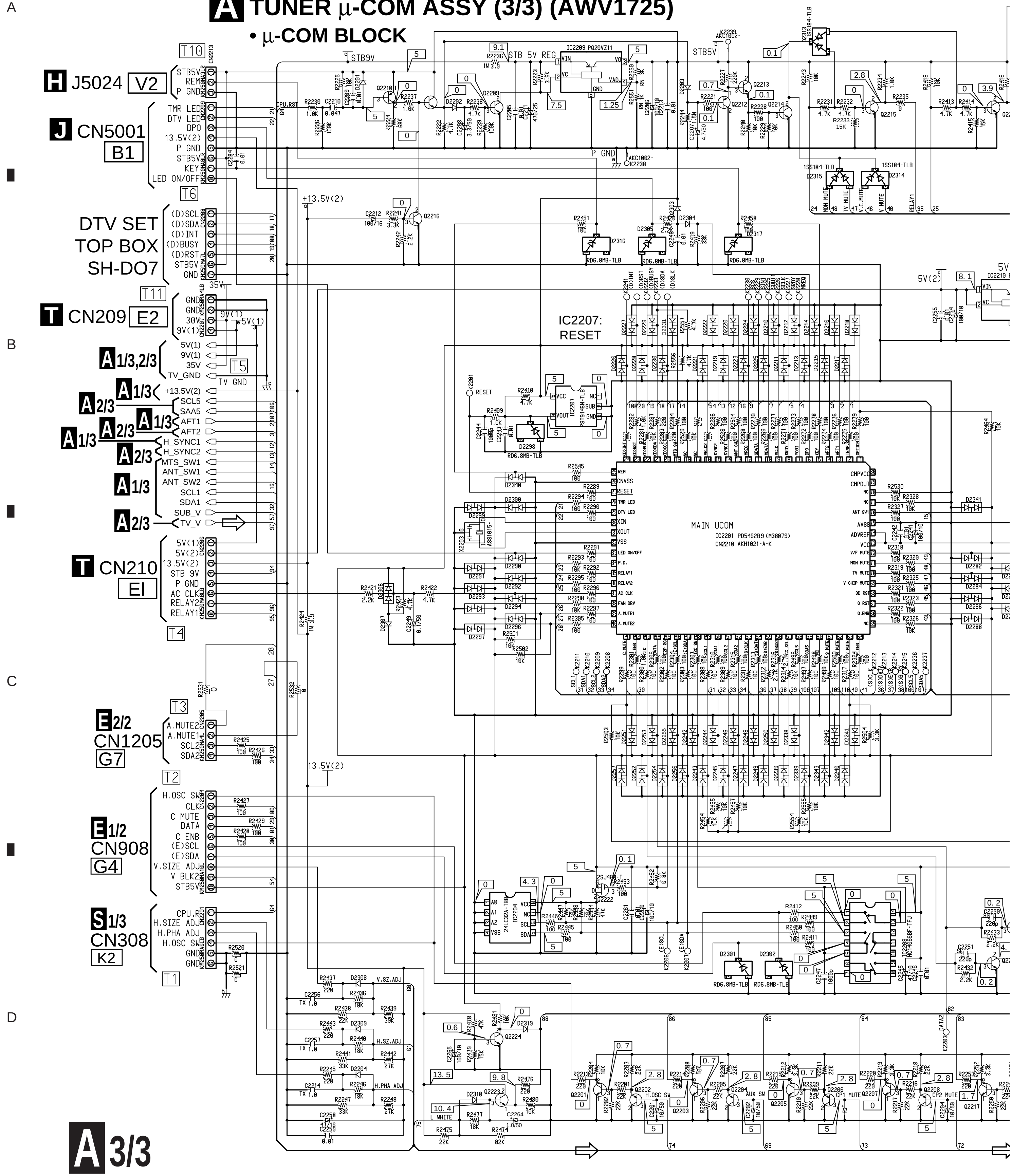
(TV2) ⇨ : Video Signal Route (TV2)
(C) ➡ : Composite Audio Signal Route

■ TUNER μ-COM ASSY (3/3)

A-a 3/3

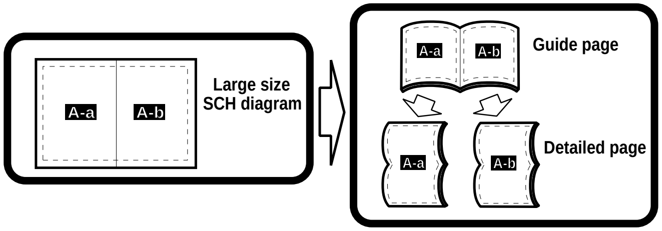
A TUNER μ-COM ASSY (3/3) (AWV1725)

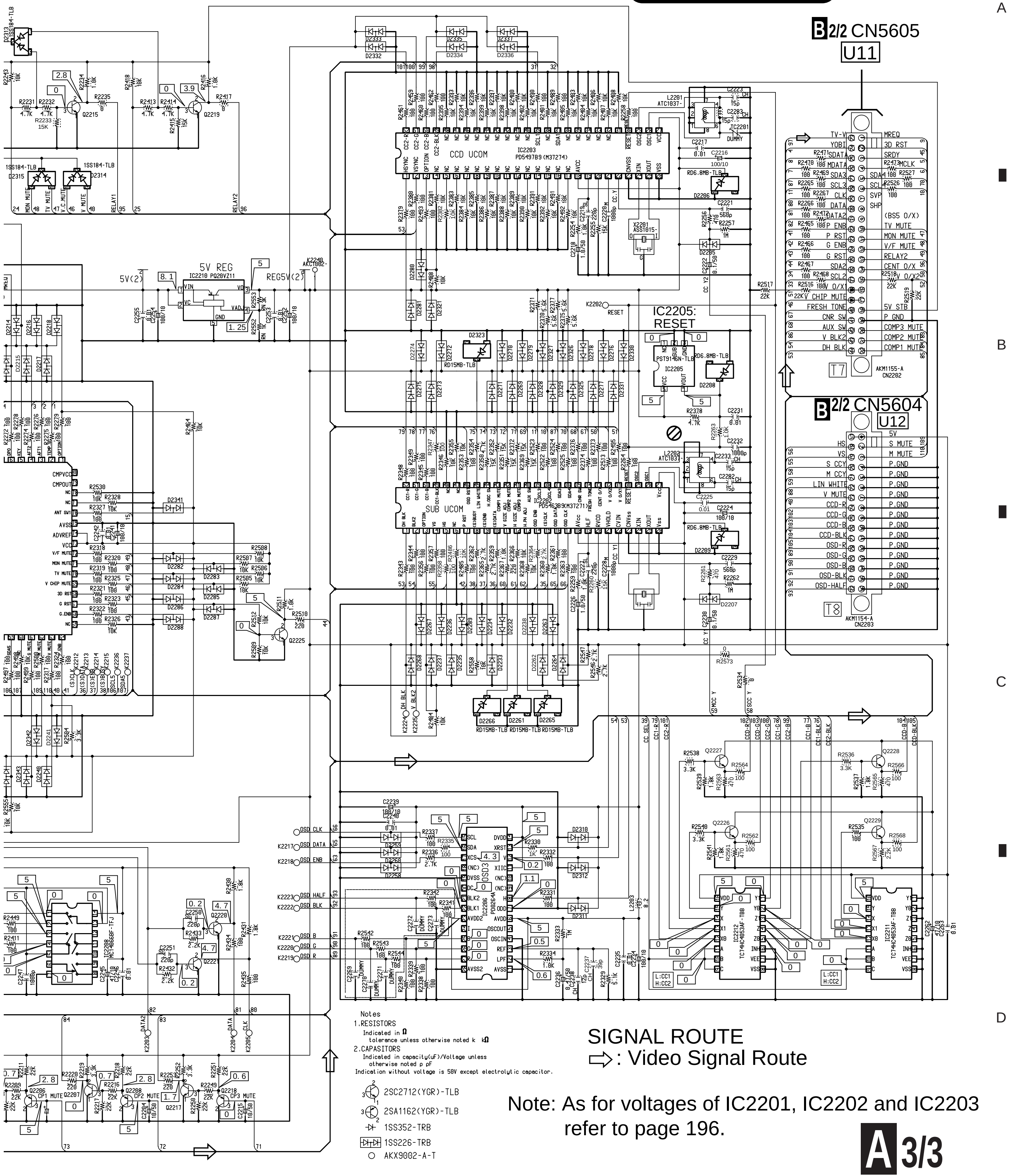
• μ-COM BLOCK


A
B
C
D
H J5024 V2
STB5V
REM
P GND
J CN5001 B1
TMR LED
DTV LED
DPO
13.5V(2)
P GND
STB5V
KEY
LED ON/OFF
DTV SET TOP BOX SH-DO7
(D)SCL
(D)SDA
(D)INT
(D)BUSY
(D)RST
STB5V
GND
T CN209 E2
GND
GND
30T
9V(1)
A 1/3,2/3
5V(1)
9V(1)
35V
TV_GND
A 1/3
+13.5V(2)
A 2/3
SCL5
SAA5
A 1/3
AFT1
AFT2
A 1/3
A 2/3
H_SYNC1
H_SYNC2
A 2/3
MTS_SW1
ANT_SW1
ANT_SW2
A 1/3
SCL1
SDA1
SUB_V
A 2/3
TV_V
T CN210 EI
5V(1)
5V(2)
13.5V(2)
STB 9V
P.GND
AC CLK
RELAY2
RELAY1
E 2/2 CN1205 G7
A.MUTE2
A.MUTE1
SCL
SDA
E 1/2 CN908 G4
H.OSC SW
CLK
C MUTE
DATA
C ENB
(E)SCL
(E)SDA
V.SIZE ADJ
V BLK2
STB5V
S 1/3 CN308 K2
CPU.R
H.SIZE ADJ
H.PHA ADJ
H.OSC SW
GND
GND
T10
T6
T11
T5
T4
T3
T2
T1
STB9V
STB 5V REG
IC2209 PQ20VZ11
STB5V
P GND
IC2207: RESET
IC2207 PST9140N-TLB
MAIN UCOM
IC2201 PD5462B9 (M38079)
CN2210 AKH1021-A-K
IC2204 24LC32A-TBR
IC2208 NJM4066BF-TFJ
IC2210
RD6.8MB-TLB
1SS184-TLB
X2201 ASS1015-
V.SZ.ADJ
H.SZ.ADJ
H.PHA ADJ
L WHITE
H.OSC SW
AUX SW
CP1 MUTE
CP2 MUTE
MON MUTE
TV MUTE
V.C.MUTE
V MUTE
RELAY1
13.5V(2)

A 3/3

A-b 3/3


Large size SCH diagram
A-a
A-b
Guide page
Detailed page


B 2/2 CN5605
U11
B 2/2 CN5604
U12
CCD UCOM
IC2203
PD5497B9 (M37274)
SUB UCOM
IC2202
PD5463B (M37271)
IC2205: RESET
PST9146N-TLB
5V REG
IC2210 PQ20VZ11
IC2206 PD0264A OSD3
IC2212 TC74HC4053AF-TBB
IC2211 TC74HC4053AF-TBB
IC2208 MC14066BF-TFJ
AKM1155-A CN2202
AKM1154-A CN2203
T7
T8
A
B
C
D
5
6
7
8

Notes
1.RESISTORS
Indicated in Ω
tolerance unless otherwise noted k kΩ
2.CAPASITORS
Indicated in capacity(uF)/Voltage unless otherwise noted p pF
Indication without voltage is 50V except electrolytic capacitor.

2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1SS352-TRB
1SS226-TRB
○ AKX9002-A-T

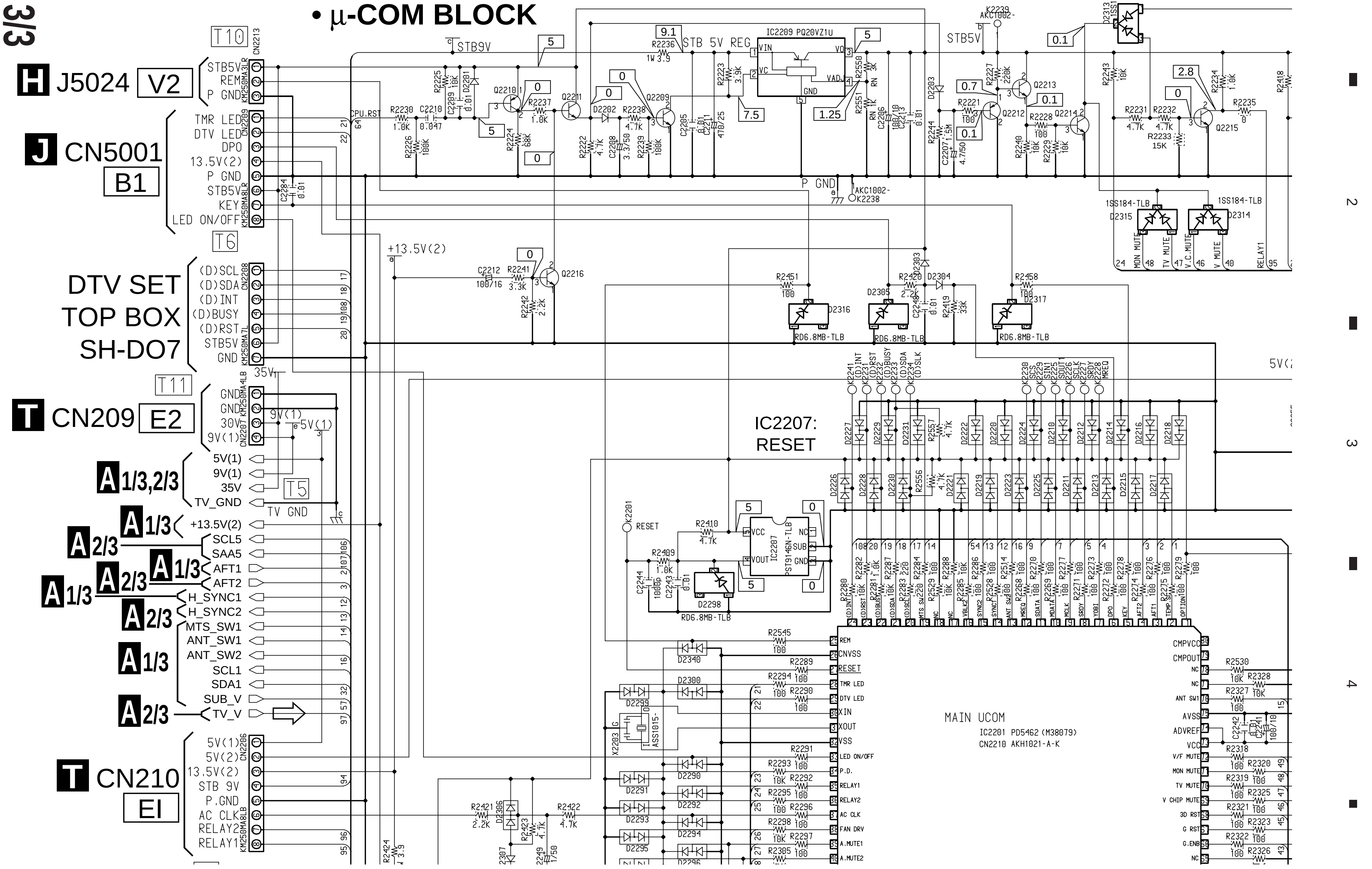
SIGNAL ROUTE
⇨ : Video Signal Route

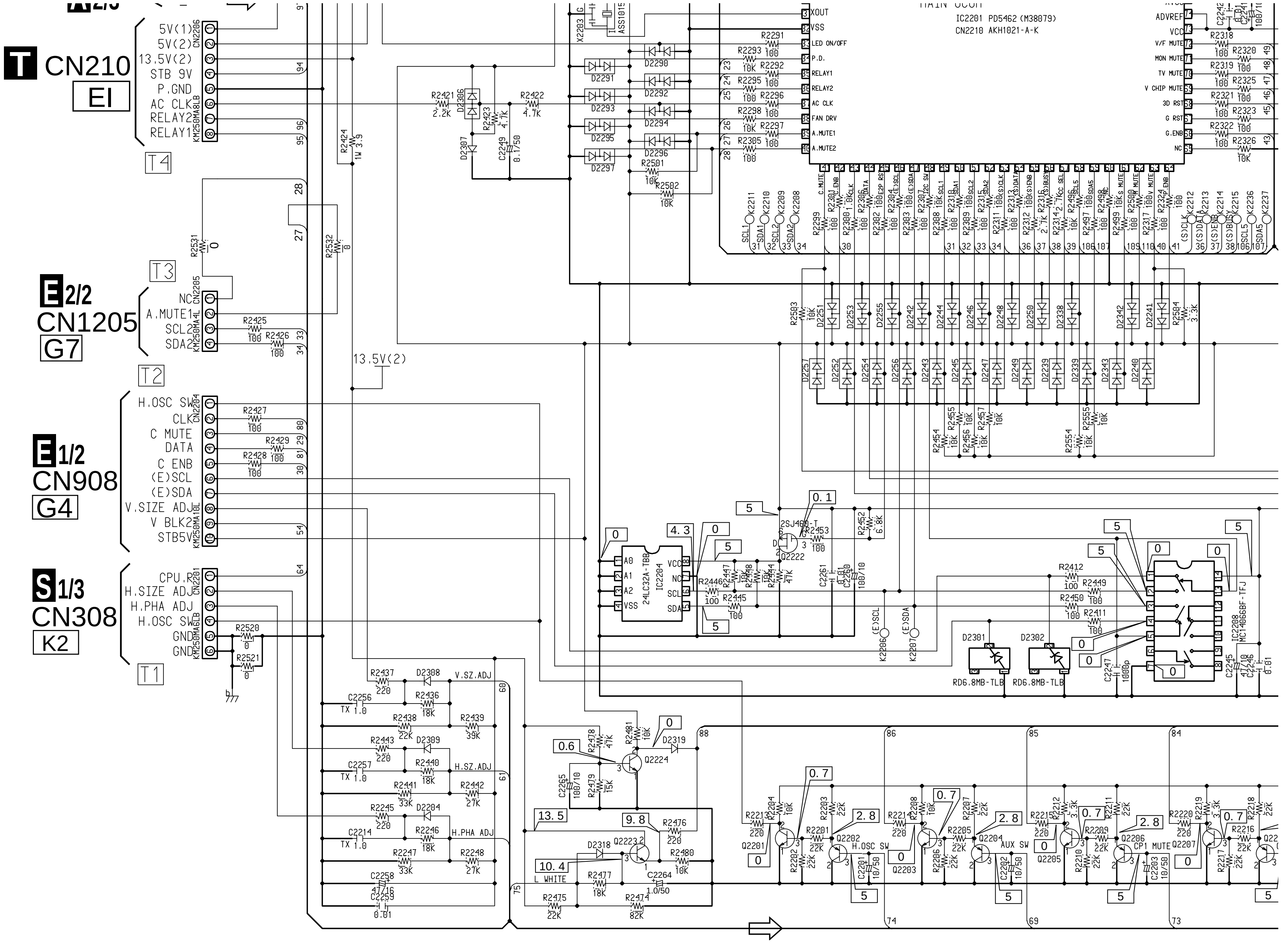
Note: As for voltages of IC2201, IC2202 and IC2203 refer to page 196.

A 3/3

A TUNER µ-COM ASSY (3/3) (AWV1723)

• µ-COM BLOCK

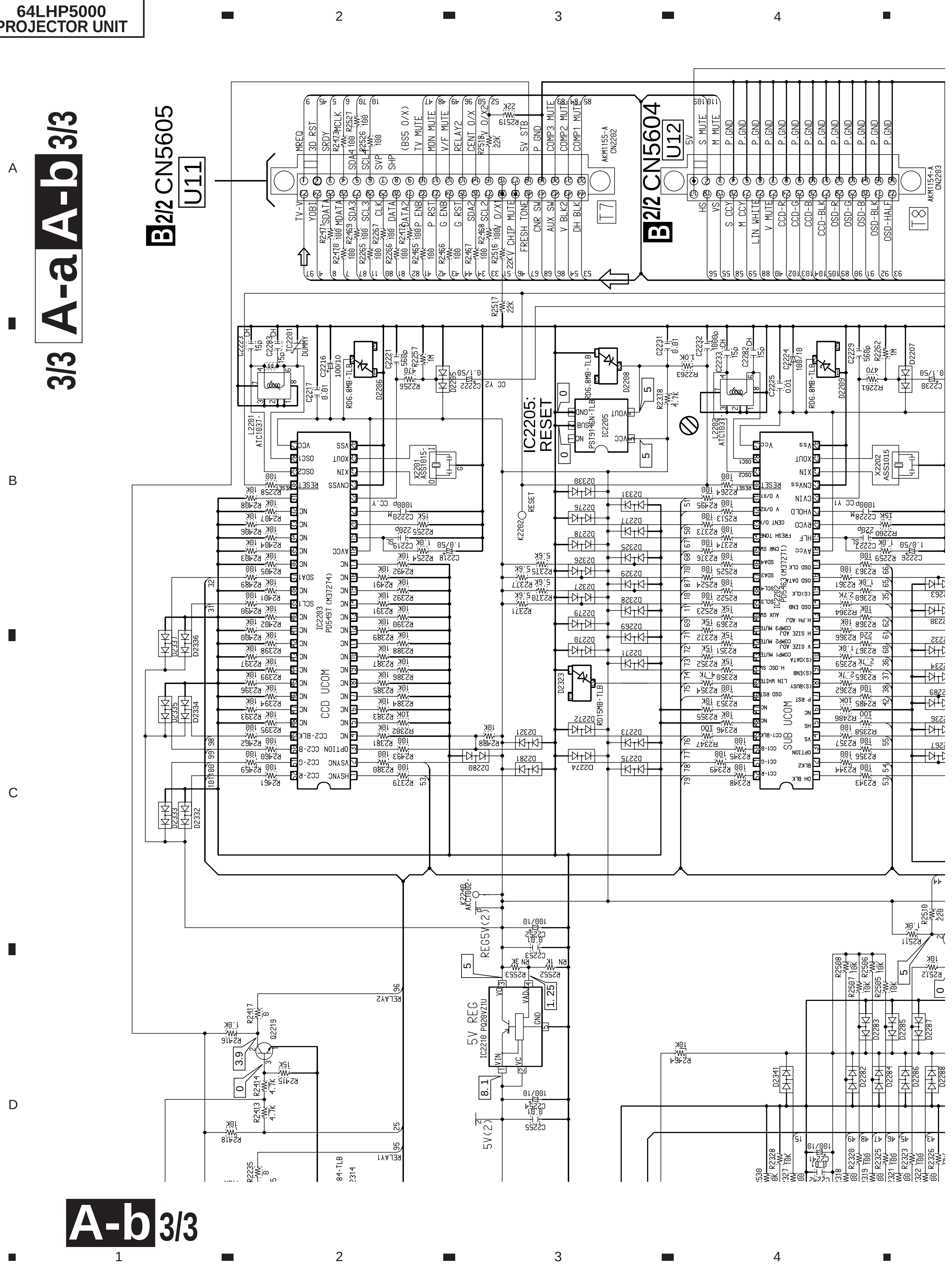

H J5024 V2
STB5V
REM
P GND
J CN5001 B1
TMR LED
DTV LED
DPO
13.5V(2)
P GND
STB5V
KEY
LED ON/OFF
DTV SET TOP BOX SH-DO7
(D)SCL
(D)SDA
(D)INT
(D)BUSY
(D)RST
STB5V
GND
T CN209 E2
GND
GND
30V
9V(1)
A 1/3,2/3
5V(1)
9V(1)
35V
TV_GND
A 1/3
+13.5V(2)
A 2/3
SCL5
SAA5
A 1/3
AFT1
A 2/3
AFT2
A 1/3
H_SYNC1
A 2/3
H_SYNC2
MTS_SW1
ANT_SW1
A 1/3
ANT_SW2
SCL1
SDA1
A 2/3
SUB_V
TV_V
T CN210 EI
5V(1)
5V(2)
13.5V(2)
STB 9V
P.GND
AC CLK
RELAY2
RELAY1
STB9V
STB 5V REG
IC2209 PQ20VZ1U
STB5V
K2239 AKC1002-
D2313 1SS184-TLB
Q2210
Q2211
Q2209
Q2212
Q2213
Q2214
Q2215
Q2216
P GND
AKC1002- K2238
1SS184-TLB D2315
1SS184-TLB D2314
MON MUTE
TV MUTE
V.C.MUTE
V MUTE
RELAY1
+13.5V(2)
D2316 RD6.8MB-TLB
D2305 RD6.8MB-TLB
D2317 RD6.8MB-TLB
IC2207: RESET
K2201 RESET
IC2207 PST9146N-TLB
D2298 RD6.8MB-TLB
X2203
ASS1015-
MAIN UCOM
IC2201 PD5462 (M38079)
CN2210 AKH1021-A-K
REM
CNVSS
RESET
TMR LED
DTV LED
XIN
XOUT
VSS
LED ON/OFF
P.D.
RELAY1
RELAY2
AC CLK
FAN DRV
A.MUTE1
A.MUTE2
CMPVCC
CMPOUT
NC
ANT SW1
AVSS
ADVREF
VCC
V/F MUTE
MON MUTE
TV MUTE
V CHIP MUTE
3D RST
G RST
G.ENB
5V(2)



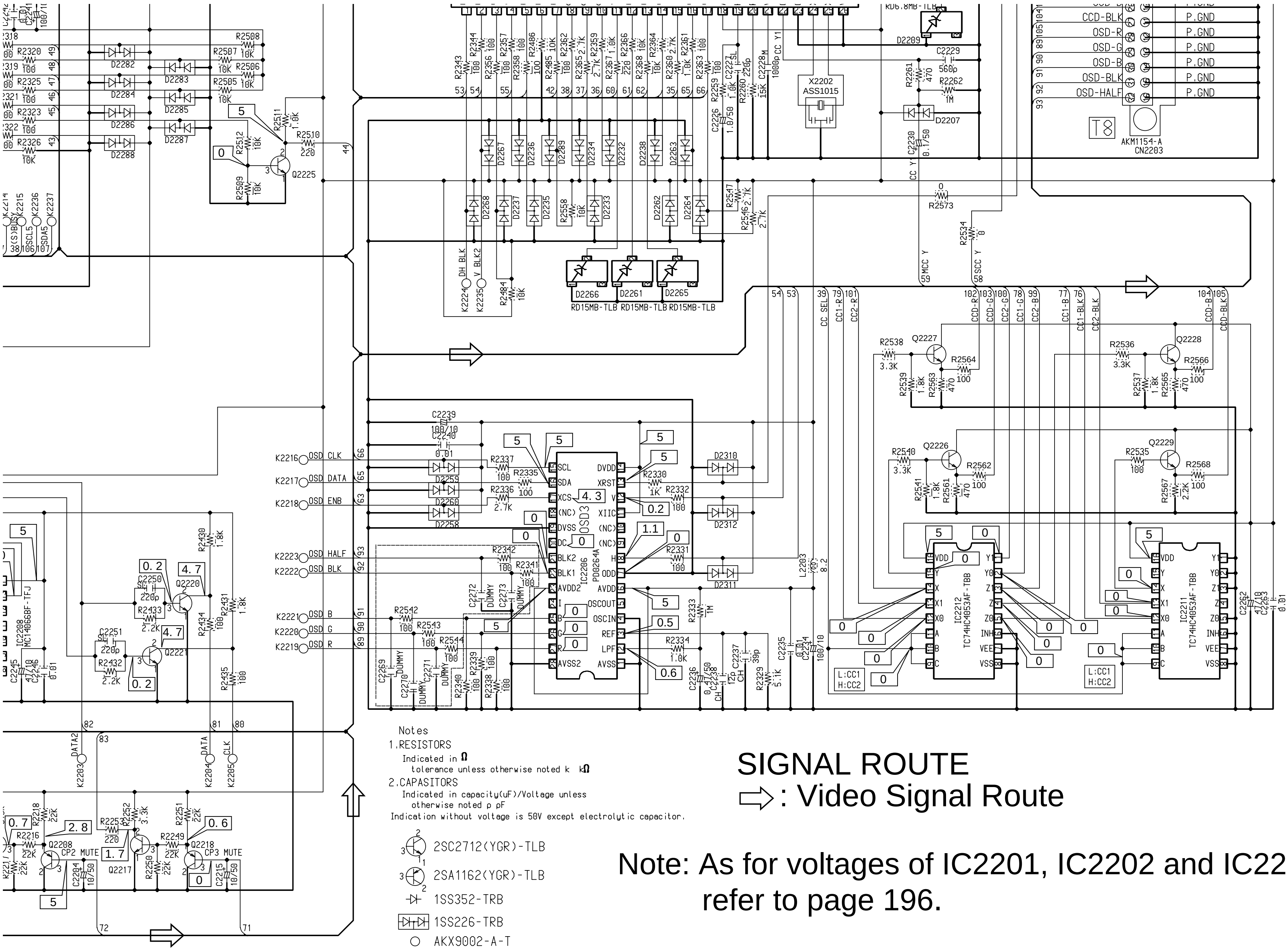
T CN2106
EI
5V(1)
5V(2)
13.5V(2)
STB 9V
P.GND
AC CLK
RELAY2
RELAY1
KM250MA8LB
T4
T3
E 2/2
CN1205
G7
NC
A.MUTE1
SCL2
SDA2
CN2205
KM250MA4L
T2
E 1/2
CN908
G4
H.OSC SW
CLK
C MUTE
DATA
C ENB
(E)SCL
(E)SDA
V.SIZE ADJ
V BLK2
STB5V
CN2204
KM250MA10L
S 1/3
CN308
K2
CPU.R
H.SIZE ADJ
H.PHA ADJ
H.OSC SW
GND
GND
CN2201
KM250MA6LB
T1
MAIN UCOM
IC2201 PD5462 (M38079)
CN2210 AKH1021-A-K
XOUT
VSS
LED ON/OFF
P.D.
RELAY1
RELAY2
AC CLK
FAN DRV
A.MUTE1
A.MUTE2
ADVREF
VCC
V/F MUTE
MON MUTE
TV MUTE
V CHIP MUTE
3D RST
G RST
G.ENB
NC
X2203
ASS1015
D2290
D2291
D2292
D2293
D2294
D2295
D2296
D2297
D2306
D2307
R2421 2.2K
R2422 4.7K
R2423 4.7K
C2249 0.1/50
R2424 1W 3.9
R2531 0
R2532 0
R2425 100
R2426 100
R2427 100
R2428 100
R2429 100
R2520 0
R2521 0
13.5V(2)
IC2204
24LC32A-TBB
A0
A1
A2
VSS
VCC
NC
SCL
SDA
2SJ460-T
Q2222
IC2208
MC14066BF-TFJ
D2301
D2302
RD6.8MB-TLB
K2206 (E)SCL
K2207 (E)SDA
V.SZ.ADJ
H.SZ.ADJ
H.PHA ADJ
D2308
D2309
D2204
C2256 TX 1.0
C2257 TX 1.0
C2214 TX 1.0
C2258 47/16
C2259 0.01
Q2224
Q2223
D2318
D2319
L WHITE
C2264 1.0/50
C2265 100/10
Q2201
Q2202
Q2203
Q2204
Q2205
Q2206
Q2207
H.OSC SW
AUX SW
CP1 MUTE
0.7
2.8
9.8
13.5
10.4
0.6
4.3
0.1
5
0

A-a 3/3

3/3 A-a A-b 3/3


A-a A-b 3/3
3/3
B 2/2 CN5605
U11
B 2/2 CN5604
U12
AKM1155-A CN2202
AKM1154-A CN2203
T7
T8
IC2203 PD5497 (M37274)
CCD UCOM
IC2202 PD5463 (M37271)
SUB UCOM
IC2205: RESET
IC2205 PST9146N-TLB
5V REG
IC2210 PQ20VZ1U
REG5V(2)
5V(2)
RELAY1
RELAY2
Q2219
X2201 ASS1015-
X2202 ASS1015
L2201 ATC1037-
L2202 ATC1037-
K2202 RESET
K2240 AKC1002-
1
2
3
4
A
B
C
D

A-b 3/3


IC2206 PD6264A OSD3
IC2212 TC74HC4053AF-TBB
IC2211 TC74HC4053AF-TBB
IC2208 MC14066BF-TFJ
X2202 ASS1015
AKM1154-A CN2203
T8
Q2225
Q2227
Q2228
Q2226
Q2229
Q2220
Q2221
Q2208
Q2217
Q2218
D2266
D2261
D2265
RD15MB-TLB
D2209
D2207
K2216 OSD CLK
K2217 OSD DATA
K2218 OSD ENB
K2223 OSD HALF
K2222 OSD BLK
K2221 OSD B
K2220 OSD G
K2219 OSD R
K2224 DH BLK
K2235 V BLK2
K2203 DATA2
K2204 DATA
K2205 CLK
CCD-BLK
OSD-R
OSD-G
OSD-B
OSD-BLK
OSD-HALF
P.GND
CP2 MUTE
CP3 MUTE
L:CC1
H:CC2
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1SS352-TRB
1SS226-TRB
AKX9002-A-T

Notes

1.RESISTORS

Indicated in Ω

tolerance unless otherwise noted k kΩ

2.CAPASITORS

Indicated in capacity(uF)/Voltage unless

otherwise noted p pF

Indication without voltage is 50V except electrolytic capacitor.

SIGNAL ROUTE

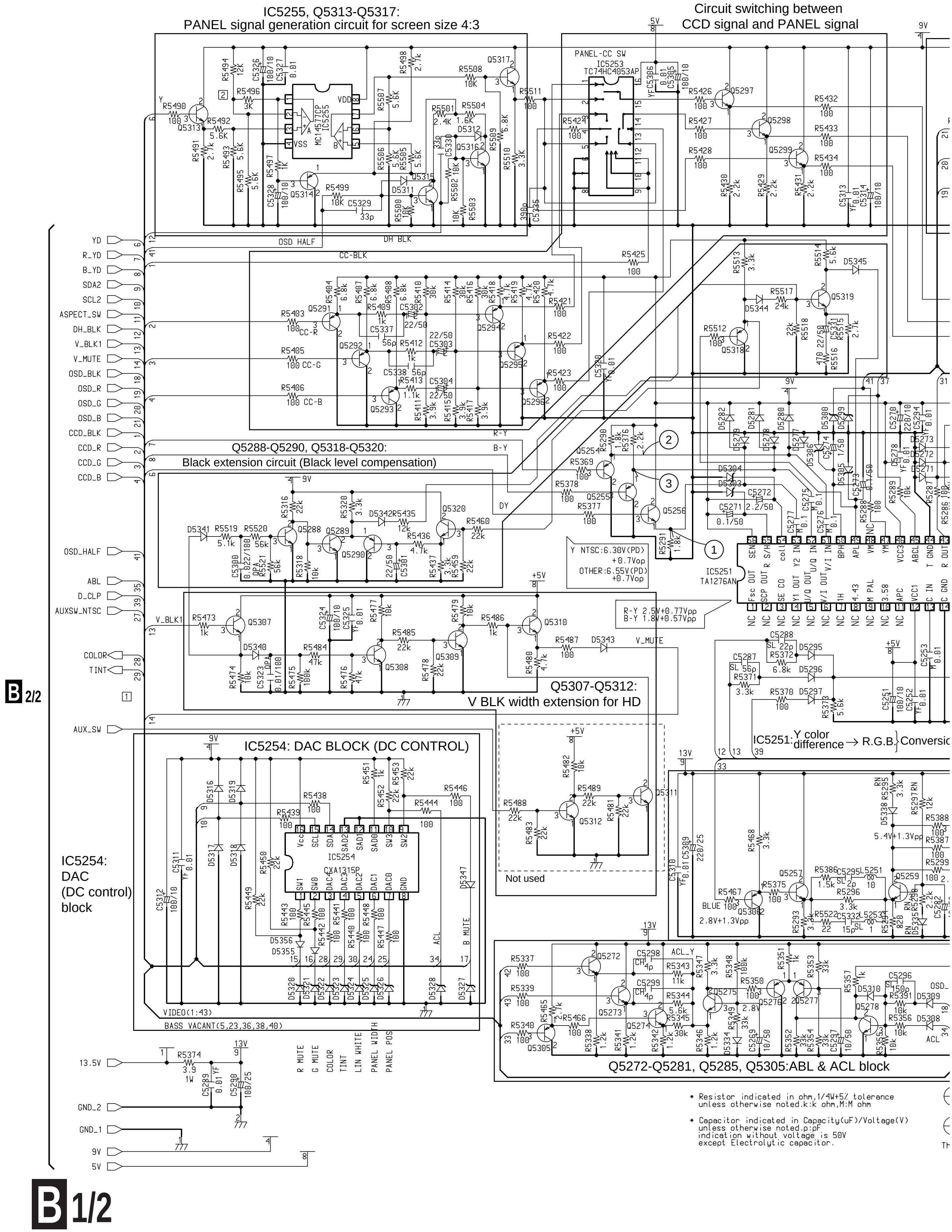
⇨ : Video Signal Route

Note: As for voltages of IC2201, IC2202 and IC2203
refer to page 196.

3/3 **A-a** **A-b** 3/3

A-b 3/3

VIDEO ASSY (1/2)

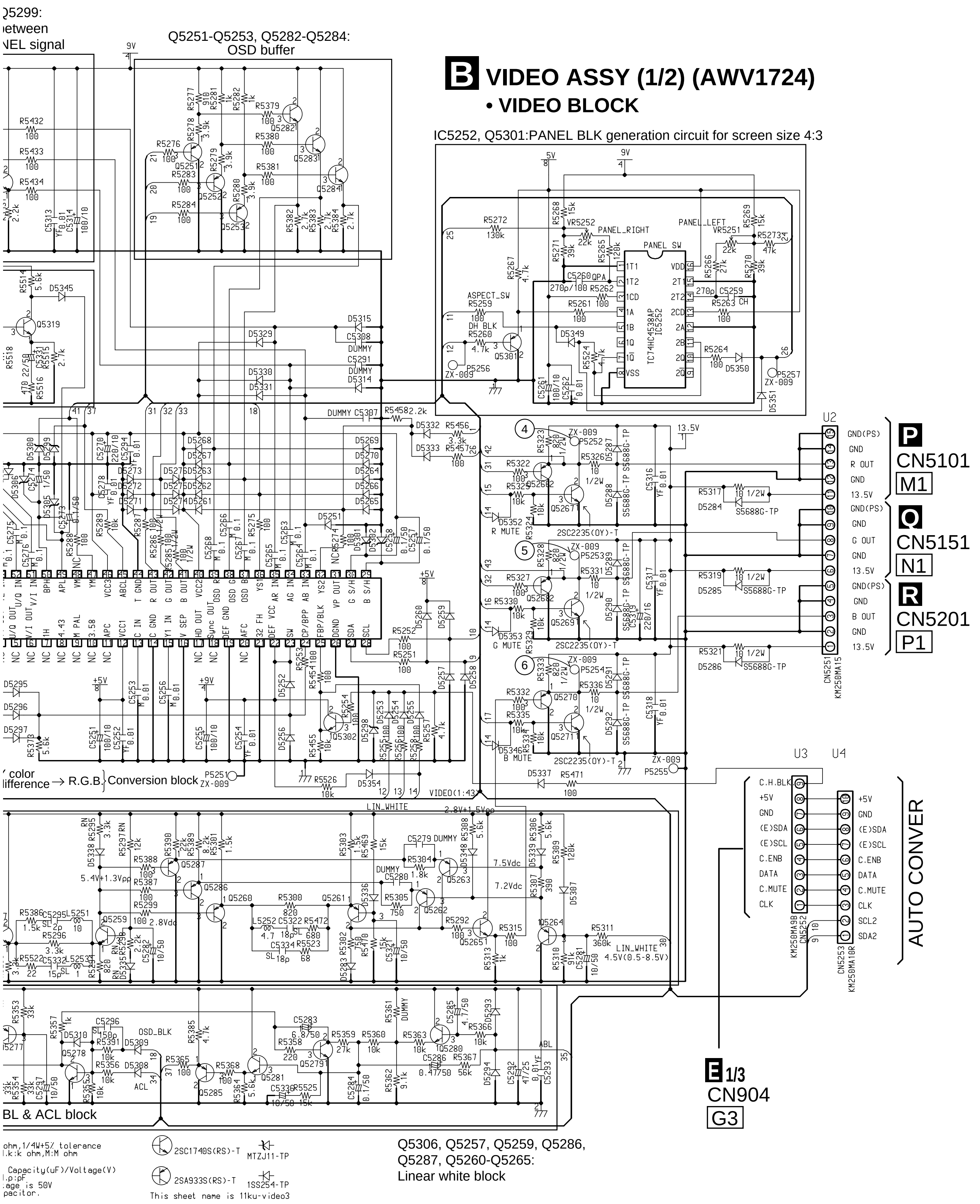

IC5255, Q5313-Q5317:
PANEL signal generation circuit for screen size 4:3
IC5253, Q5291-Q5299:
Circuit switching between
CCD signal and PANEL signal
PANEL-CC SW
IC5253
TC74HC4053AP
MC14577CP
IC5255
Q5288-Q5290, Q5318-Q5320:
Black extension circuit (Black level compensation)
IC5251
TA1276AN
Y NTSC:6.30V(PD)
+0.7Vop
OTHER:6.55V(PD)
+0.7Vop
R-Y 2.5V+0.77Vpp
B-Y 1.8V+0.57Vpp
Q5307-Q5312:
V BLK width extension for HD
IC5254: DAC BLOCK (DC CONTROL)
IC5254:
DAC
(DC control)
block
IC5254
CXA1315P
Not used
IC5251: Y color difference → R.G.B. Conversio
Q5272-Q5281, Q5285, Q5305:ABL & ACL block
YD
R_YD
B_YD
SDA2
SCL2
ASPECT_SW
DH_BLK
V_BLK1
V_MUTE
OSD_BLK
OSD_R
OSD_G
OSD_B
CCD_BLK
CCD_R
CCD_G
CCD_B
OSD_HALF
ABL
D_CLP
AUXSW_NTSC
COLOR
TINT
AUX_SW
13.5V
GND_2
GND_1
9V
5V
OSD HALF
DH BLK
CC-BLK
R-Y
B-Y
DY
V_BLK1
V_MUTE
VIDEO(1:43)
BASS VACANT(5,23,36,38,40)
R MUTE
G MUTE
COLOR
TINT
LIN WHITE
PANEL WIDTH
PANEL POS
ACL
B MUTE
ACL_Y
BLUE
2.8V+1.3Vpp
5.4V+1.3Vpp
B 2/2
B 1/2
1
2
3

• Resistor indicated in ohm,1/4W±5% tolerance unless otherwise noted.k:k ohm,M:M ohm

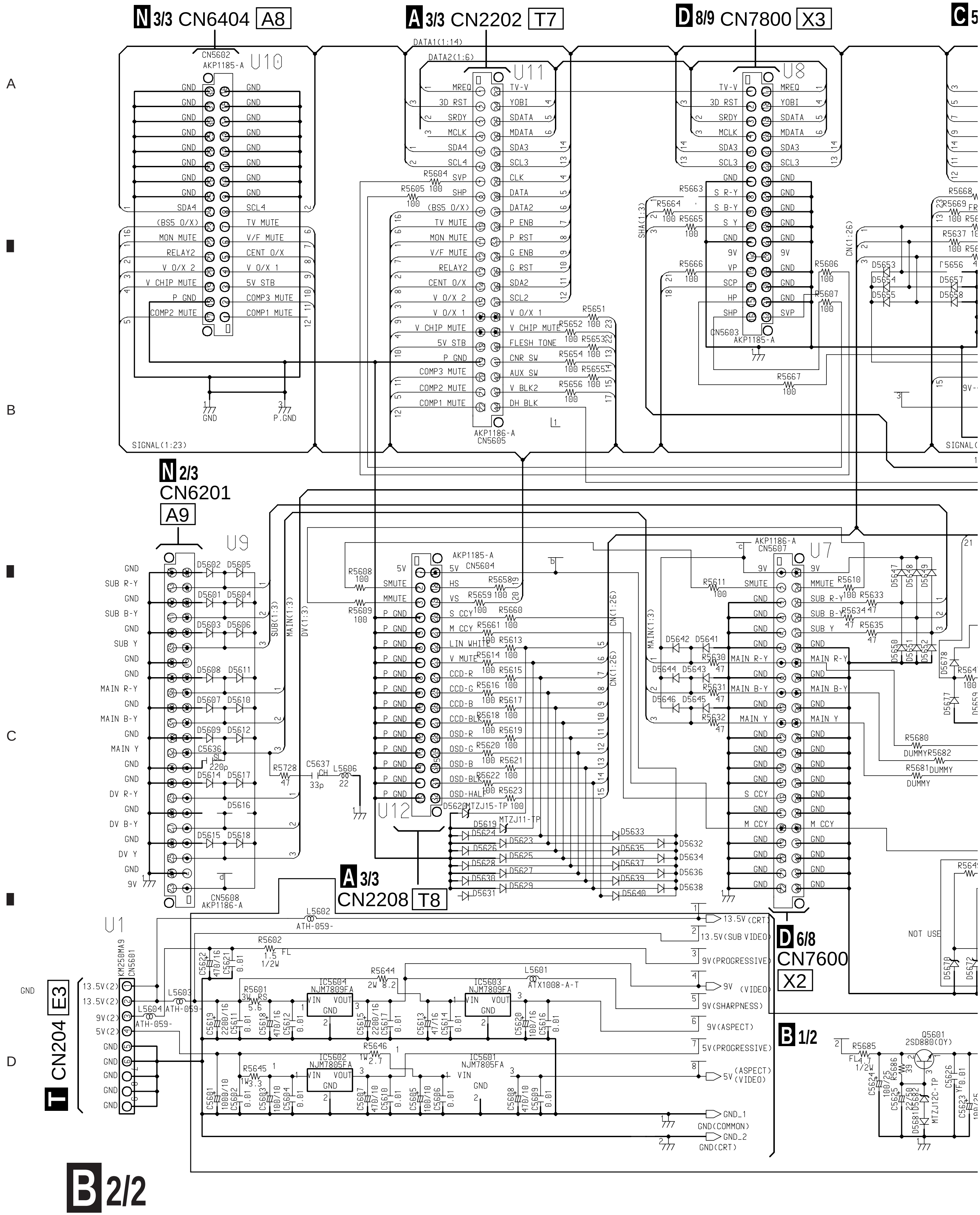
• Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF. indication without voltage is 50V except Electrolytic capacitor.

B VIDEO ASSY (1/2) (AWV1724)

• VIDEO BLOCK


Q5299:
between
NEL signal
Q5251-Q5253, Q5282-Q5284:
OSD buffer
IC5252, Q5301:PANEL BLK generation circuit for screen size 4:3
PANEL_RIGHT
PANEL_LEFT
PANEL SW
ASPECT_SW
DH BLK
TC74HC4538AP
IC5252
ZX-009
P5256
P5257
U2
P
CN5101
M1
Q
CN5151
N1
R
CN5201
P1
GND(PS)
GND
R OUT
G OUT
B OUT
13.5V
CN5251
KM250MA15
R MUTE
G MUTE
B MUTE
2SC2235(OY)-T
S5688G-TP
Y color
difference → R.G.B. Conversion block
P5251
VIDEO(1:43)
LIN_WHITE
U3
U4
C.H.BLK
+5V
(E)SDA
(E)SCL
C.ENB
DATA
C.MUTE
CLK
SCL2
SDA2
KM250MA9B
CN5252
CN5253
KM250MA10R
AUTO CONVER
BL & ACL block
OSD_BLK
ACL
ABL
7.5Vdc
7.2Vdc
5.4V+1.3Vpp
2.8Vdc
2.8V+1.5Vpp
4.5V(0.5-8.5V)
ohm,1/4W+5% tolerance
k:k ohm,M:M ohm
Capacity(uF)/Voltage(V)
p:pF
age is 50V
pacitor.
2SC1740S(RS)-T
2SA933S(RS)-T
MTZJ11-TP
1SS254-TP
This sheet name is 11ku-video3
Q5306, Q5257, Q5259, Q5286,
Q5287, Q5260-Q5265:
Linear white block
E 1/3
CN904
G3

■ VIDEO ASSY (2/2)

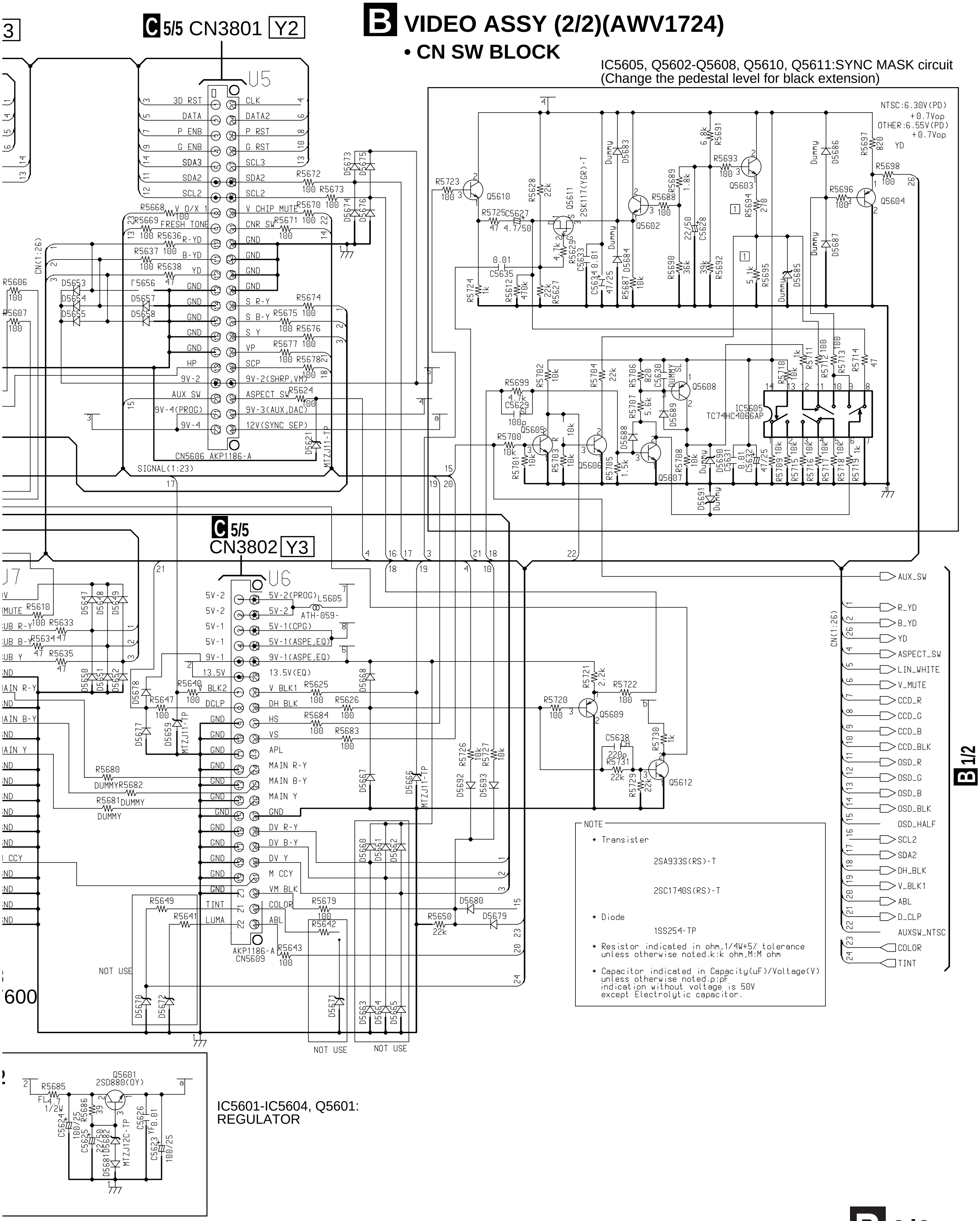

N 3/3 CN6404 A8
A 3/3 CN2202 T7
D 8/9 CN7800 X3
C 5
CN5602 AKP1185-A U10
U11
U8
CN5605 AKP1186-A
CN5603 AKP1185-A
SIGNAL(1:23)
DATA1(1:14)
DATA2(1:6)
GND
P.GND
N 2/3 CN6201 A9
U9
CN5608 AKP1186-A
AKP1185-A CN5604
U12
AKP1186-A CN5607
U7
A 3/3 CN2208 T8
D 6/8 CN7600 X2
B 1/2
U1
KM250MA9 CN5601
T CN204 E3
IC5604 NJM7809FA
IC5603 NJM7809FA
IC5602 NJM7805FA
IC5601 NJM7805FA
Q5601 2SD880(OY)
L5602 ATH-059-
L5601 ATX1008-A-T
L5603 ATH-059-
L5604 ATH-059-
13.5V(CRT)
13.5V(SUB VIDEO)
9V(PROGRESSIVE)
9V (VIDEO)
9V(SHARPNESS)
9V(ASPECT)
5V(PROGRESSIVE)
5V (ASPECT) (VIDEO)
GND_1 GND(COMMON)
GND_2 GND(CRT)
NOT USE
A
B
C
D
1
2
3
4

B 2/2

B VIDEO ASSY (2/2)(AWV1724)

• CN SW BLOCK

IC5605, Q5602-Q5608, Q5610, Q5611:SYNC MASK circuit
(Change the pedestal level for black extension)


C 5/5 CN3801 Y2
C 5/5 CN3802 Y3
U5
U6
CN5606 AKP1186-A
AKP1186-A CN5609
SIGNAL(1:23)
CN(1:26)
3D RST
DATA
P ENB
G ENB
SDA3
SDA2
SCL2
CLK
DATA2
P RST
G RST
SCL3
V CHIP MUTE
CNR SW
V O/X
FRESH TONE
R-YD
B-YD
YD
GND
S R-Y
S B-Y
S Y
VP
SCP
HP
9V-2
9V-2(SHRP,VM)
AUX SW
ASPECT SW
9V-4(PROG)
9V-3(AUX,DAC)
9V-4
12V(SYNC SEP)
5V-2
5V-2(PROG)
5V-1
5V-1(CPG)
5V-1(ASPE,EQ)
9V-1
9V-1(ASPE,EQ)
13.5V
13.5V(EQ)
V BLK2
V BLK1
DCLP
DH BLK
HS
VS
APL
MAIN R-Y
MAIN B-Y
MAIN Y
DV R-Y
DV B-Y
DV Y
M CCY
VM BLK
TINT
COLOR
LUMA
ABL
L5605
ATH-059-
IC5605
TC74HC4066AP
Q5601
2SD880(OY)
2SK117(YGR)-T
MTZJ11-TP
MTZJ12C-TP
NTSC:6.30V(PD) +0.7Vop
OTHER:6.55V(PD) +0.7Vop
NOT USE
AUX_SW
R_YD
B_YD
YD
ASPECT_SW
LIN_WHITE
V_MUTE
CCD_R
CCD_G
CCD_B
CCD_BLK
OSD_R
OSD_G
OSD_B
OSD_BLK
OSD_HALF
SCL2
SDA2
DH_BLK
V_BLK1
ABL
D_CLP
AUXSW_NTSC
COLOR
TINT
B 1/2
7600

NOTE

- Transister

2SA933S(RS)-T

2SC1740S(RS)-T

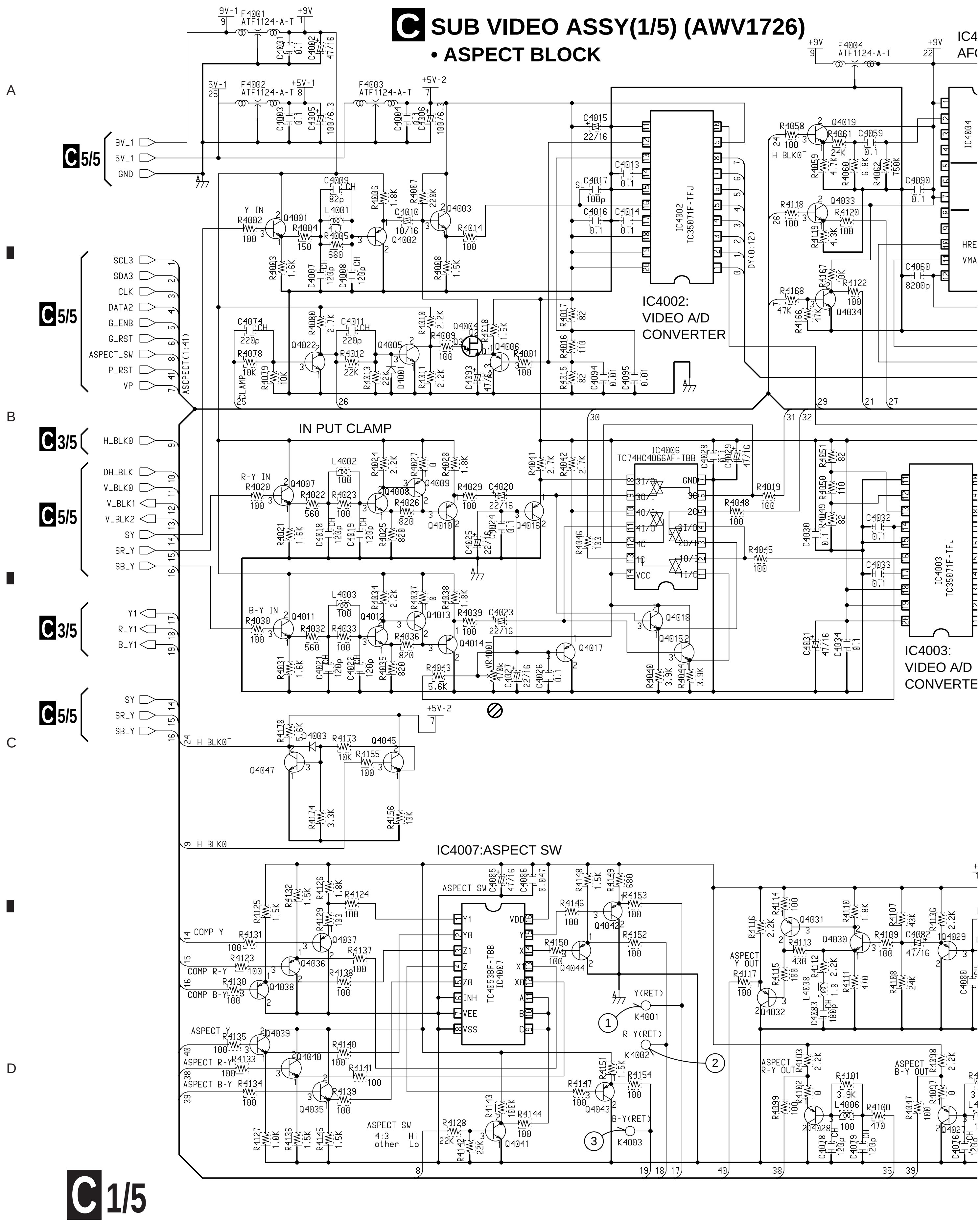
- Diode

1SS254-TP

- Resistor indicated in ohm,1/4W+5/ tolerance unless otherwise noted.k:k ohm,M:M ohm
- Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.

IC5601-IC5604, Q5601:
REGULATOR

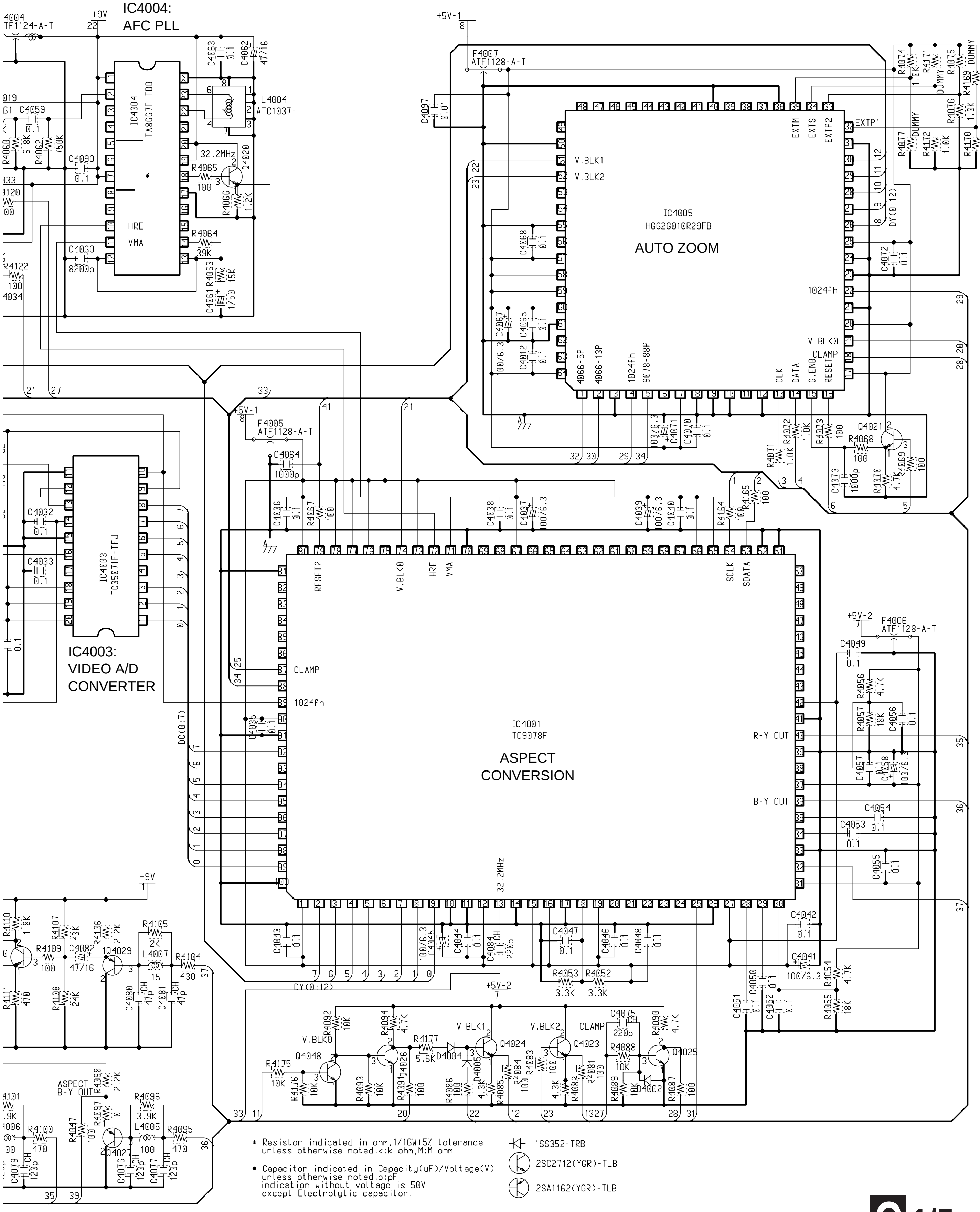
SUB VIDEO ASSY (1/5)



C SUB VIDEO ASSY(1/5) (AWV1726)

• ASPECT BLOCK

1
2
3
4
A
B
C
D
C 5/5
9V_1
5V_1
GND
SCL3
SDA3
CLK
DATA2
G_ENB
G_RST
ASPECT_SW
P_RST
VP
ASPECT(1:41)
C 3/5
H_BLK0
DH_BLK
V_BLK0
V_BLK1
V_BLK2
SY
SR_Y
SB_Y
Y1
R_Y1
B_Y1
F4001 ATF1124-A-T
F4002 ATF1124-A-T
F4003 ATF1124-A-T
F4004 ATF1124-A-T
+9V
+5V-1
+5V-2
Y IN
R-Y IN
B-Y IN
IN PUT CLAMP
CLAMP
IC4002 TC35071F-TFJ
IC4002: VIDEO A/D CONVERTER
IC4003 TC35071F-TFJ
IC4003: VIDEO A/D CONVERTE
IC4004
IC4006 TC74HC4066AF-TBB
DY(0:12)
H BLK0¯
HRE
VMA
IC4007:ASPECT SW
IC4007 TC4053BF-TBB
ASPECT SW
COMP Y
COMP R-Y
COMP B-Y
ASPECT Y
ASPECT R-Y
ASPECT B-Y
ASPECT Y OUT
ASPECT R-Y OUT
ASPECT B-Y OUT
ASPECT SW 4:3 Hi other Lo
Y(RET) K4001
R-Y(RET) K4002
B-Y(RET) K4003
① ② ③
Q4001 Q4002 Q4003 Q4004 Q4005 Q4006 Q4007 Q4008 Q4009 Q4010 Q4011 Q4012 Q4013 Q4014 Q4015 Q4016 Q4017 Q4018 Q4019 Q4022 Q4027 Q4028 Q4029 Q4030 Q4031 Q4032 Q4033 Q4034 Q4035 Q4036 Q4037 Q4038 Q4039 Q4040 Q4041 Q4042 Q4043 Q4044 Q4045 Q4047
D4001 D4003
VR4001 470
C 1/5


IC4004:
AFC PLL
IC4004
TA8667F-TBB
HRE
VMA
L4004
ATC1037-
32.2MHz
Q4020
IC4005
HG62G010R29FB
AUTO ZOOM
V.BLK1
V.BLK2
EXTM
EXTS
EXTP2
EXTP1
1024fh
V BLK0
CLAMP
CLK
DATA
G.ENB
RESET
DY(0:12)
Q4021
F4007
ATF1128-A-T
F4005
ATF1128-A-T
F4006
ATF1128-A-T
+5V-1
+5V-2
+9V
IC4003
TC35071F-TFJ
IC4003:
VIDEO A/D
CONVERTER
DC(0:7)
IC4001
TC9078F
ASPECT
CONVERSION
RESET2
V.BLK0
SCLK
SDATA
R-Y OUT
B-Y OUT
32.2MHz
Q4029
L4007
Q4048
Q4026
D4004
D4005
Q4024
Q4023
Q4025
D4002
ASPECT
B-Y OUT
Q4027
L4005

• Resistor indicated in ohm,1/16W±5% tolerance unless otherwise noted.k:k ohm,M:M ohm

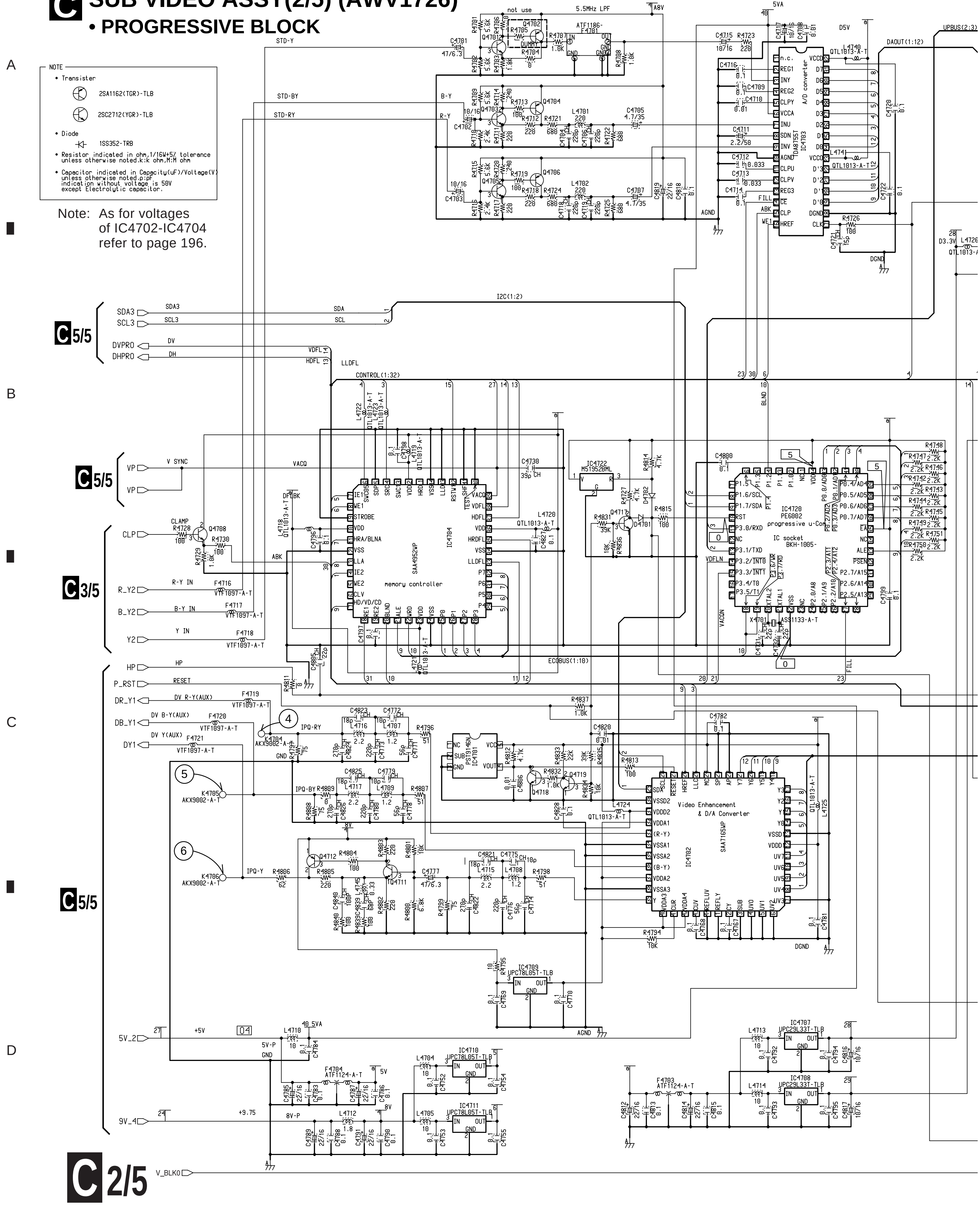
• Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.

1SS352-TRB
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB

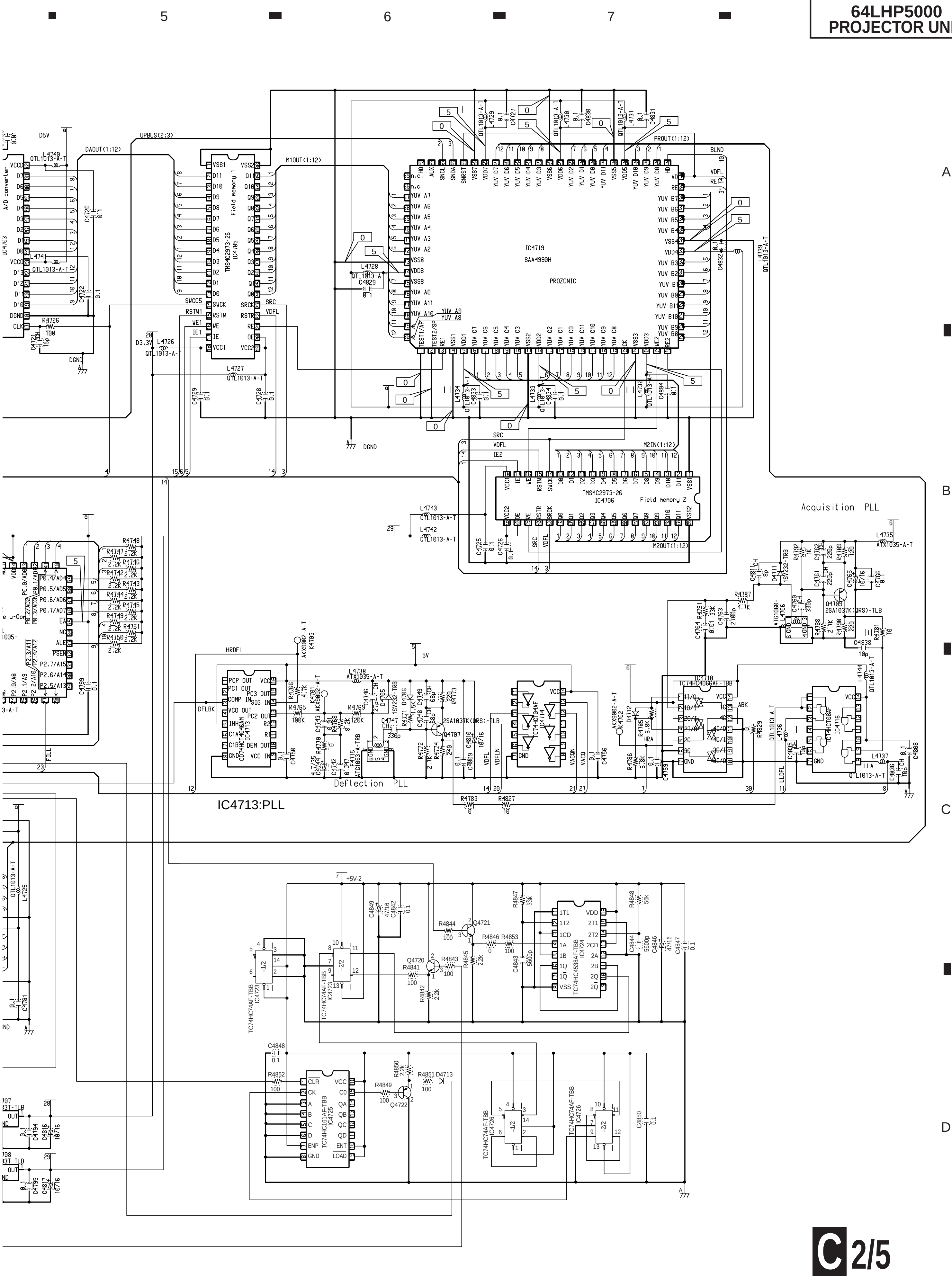
SUB VIDEO ASSY (2/5)

C SUB VIDEO ASSY(2/5) (AWV1726)

• PROGRESSIVE BLOCK


A
B
C
D
1
2
3
4
NOTE
• Transistor
2SA1162(TGR)-TLB
2SC2712(YGR)-TLB
• Diode
1SS352-TRB
• Resistor indicated in ohm,1/16W±5% tolerance unless otherwise noted.k:k ohm,M:M ohm
• Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.
C 5/5
SDA3
SCL3
DVPRO
DHPRO
C 5/5
VP
VP
C 3/5
CLP
R_Y2
B_Y2
Y2
C 5/5
HP
P_RST
DR_Y1
DB_Y1
DY1
5V_2
9V_4
C 2/5
V_BLKO
STD-Y
STD-BY
STD-RY
not use
5.5MHz LPF
ATF1186-F4701
DUMMY
IC4703
TDA8755T
A/D converter
UPBUS(2:3)
DAOUT(1:12)
I2C(1:2)
CONTROL(1:32)
IC4704
SAA4952WP
memory controller
IC4722
M51952BML
IC4720
PE6002
progressive u-Com
IC socket
BKH-1005-
ECOBUS(1:10)
IC4701
PST9140N
IC4702
SAA7165WP
Video Enhancement
& D/A Converter
IC4709
UPC78L05T-TLB
IC4710
UPC78L05T-TLB
IC4711
UPC78L05T-TLB
IC4707
UPC29L33T-TLB
IC4708
UPC29L33T-TLB
K4704
AKX9002-A-T
K4705
AKX9002-A-T
K4706
AKX9002-A-T
IPQ-RY
IPQ-BY
IPQ-Y
AGND
DGND
4
5
6

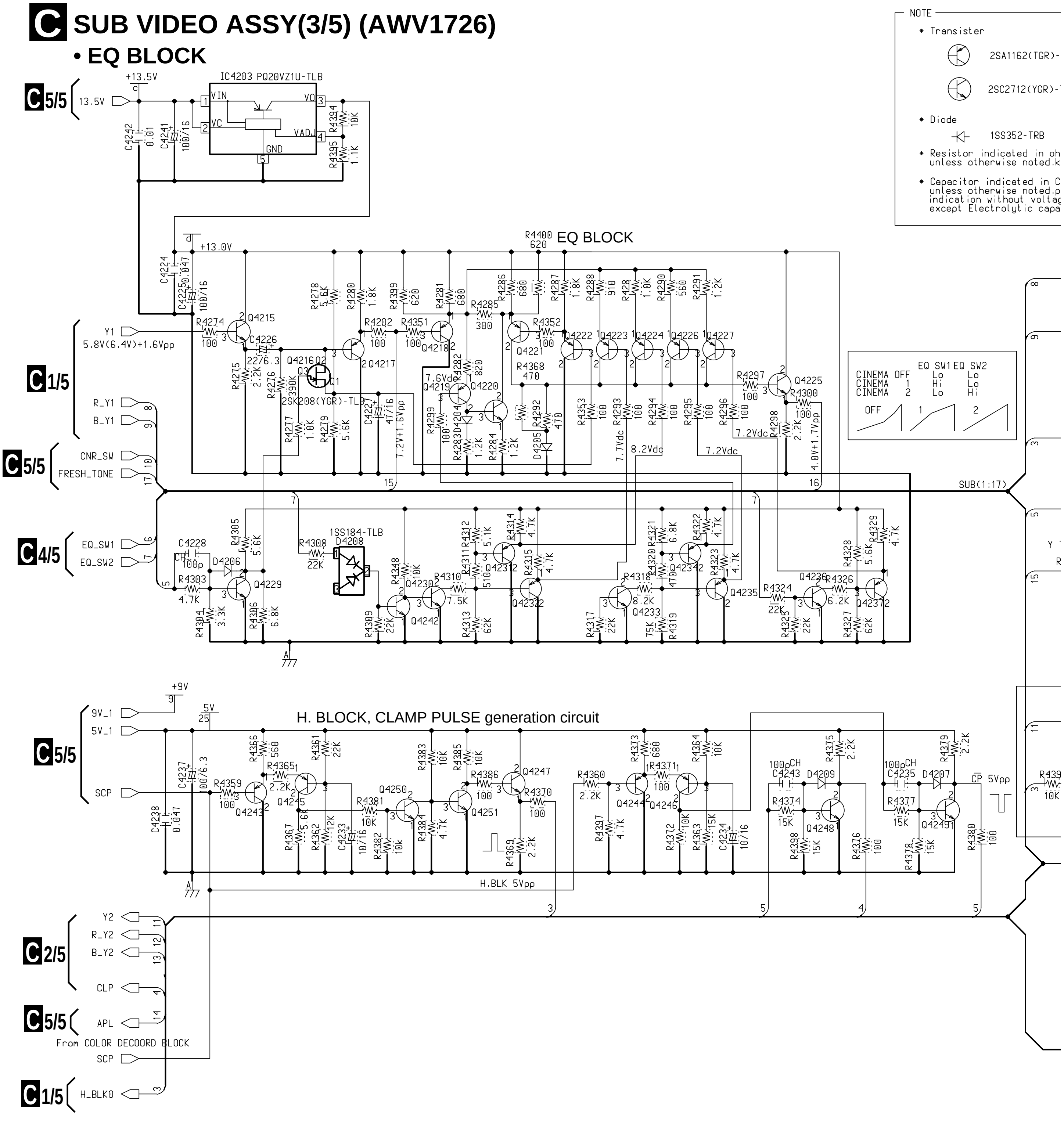
Note: As for voltages
of IC4702-IC4704
refer to page 196.


5
6
7
8
A
B
C
D
IC4719
SAA4990H
PROZONIC
IC4705
TMS4C2973-26
Field memory 1
IC4706
TMS4C2973-26
Field memory 2
A/D converter
UPBUS(2:3)
DAOUT(1:12)
M1OUT(1:12)
M2IN(1:12)
M2OUT(1:12)
PROUT(1:12)
D5V
D3.3V
DGND
SRC
VDFL
IE2
BLND
HRDFL
DFLBK
FLL
Acquisition PLL
Deflection PLL
IC4713:PLL
IC4713
TC74HC4046AM
IC4714
TC74HC04AF
IC4718
TC74HC4066AF-TBB
IC4716
TC74HC08AF
Q4707
2SA1037K(QRS)-TLB
Q4709
2SA1037K(QRS)-TLB
L4735
ATX1035-A-T
L4738
ATX1035-A-T
K4703
AKX9002-A-T
K4701
AKX9002-A-T
K4702
AKX9002-A-T
D4705
1SV232-TRB
D4711
1SV232-TRB
F4715
ATG1063-A-TRB
L4706
ATG1060-
VACQ
VDFLN
LLDFL
LLA
HRA
ABK
+5V-2
IC4723
TC74HC74AF-TBB
IC4724
TC74HC4538AF-TBB
IC4725
TC74HC161AF-TBB
IC4726
TC74HC74AF-TBB
Q4720
Q4721
Q4722
D4713
QTL1013-A-T

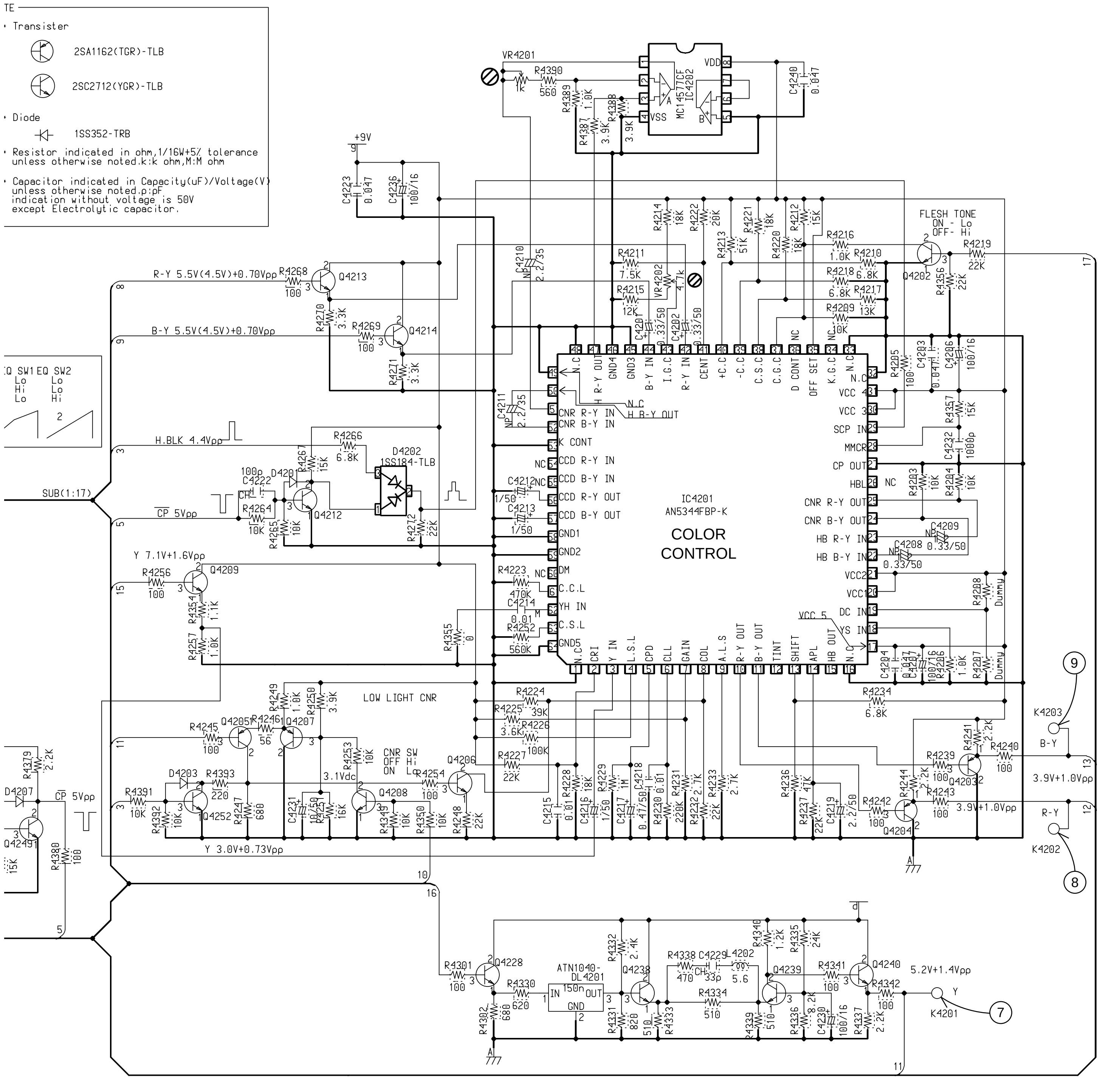
SUB VIDEO ASSY (3/5)

C SUB VIDEO ASSY(3/5) (AWV1726)

• EQ BLOCK


NOTE
• Transister
2SA1162(TGR)-
2SC2712(YGR)-
• Diode
1SS352-TRB
• Resistor indicated in oh
unless otherwise noted.k
• Capacitor indicated in C
unless otherwise noted.p
indication without voltag
except Electrolytic capa
C5/5
+13.5V
13.5V
IC4203 PQ20VZ1U-TLB
VIN
VO
VC
VADJ
GND
C4242 0.01
C4241 100/16
R4394 10K
R4395 1.1K
+13.0V
R4400 620
EQ BLOCK
C4224 0.047
C4225 100/16
C1/5
Y1
5.8V(6.4V)+1.6Vpp
R_Y1
B_Y1
C5/5
CNR_SW
FRESH_TONE
R4274 100
Q4215
C4226 22/6.3
R4275 2.2K
R4276 390K
Q4216
2SK208(YGR)-TLB
R4277 1.0K
R4278 5.6K
R4279 5.6K
R4280 1.8K
R4202 100
Q4217
C4227 47/16
7.2V+1.6Vpp
R4399 620
R4351 100
Q4218
R4281 680
R4282 820
7.6Vdc
Q4219
Q4220
R4299 100
R4283
D4204
R4284 1.2K
1.2K
R4285 300
R4286 680
Q4221
R4352 100
R4368 470
R4292 470
D4205
R4287 1.8K
R4288 910
R428 1.0K
R4290 560
R4291 1.2K
Q4222
Q4223
Q4224
Q4226
Q4227
R4353 100
R4293 100
R4294 100
R4295 100
R4296 100
7.7Vdc
8.2Vdc
7.2Vdc
R4297 100
Q4225
R4300 100
R4298 2.2K
7.2Vdc
4.0V+1.7Vpp
EQ SW1 EQ SW2
CINEMA OFF Lo Lo
CINEMA 1 Hi Lo
CINEMA 2 Lo Hi
OFF
1
2
SUB(1:17)
C4/5
EQ_SW1
EQ_SW2
C4228 CH 100p
D4206
R4303 4.7K
R4305 5.6K
Q4229
R4304 3.3K
R4306 6.8K
R4308 22K
1SS184-TLB
D4208
R4348 10K
Q4230
R4309 22K
Q4242
R4310 7.5K
R4311 510
R4312 5.1K
R4313 62K
R4314 4.7K
Q4231
R4315 4.7K
Q4232
R4316 8.2K
Q4233
R4317 22K
R4320 470
R4321 6.8K
R4319 75K
Q4234
R4322 4.7K
R4323 4.7K
Q4235
R4324 22K
R4325 22K
Q4236
R4326 6.2K
R4327 62K
R4328 5.6K
R4329 4.7K
Q4237
+9V
9V_1
5V
5V_1
C5/5
SCP
H. BLOCK, CLAMP PULSE generation circuit
C4237 100/6.3
C4238 0.047
R4359 100
Q4243
R4366 560
R4365 2.2K
Q4245
R4367 5.6K
R4361 22K
R4362 12K
C4233 10/16
R4381 10K
Q4250
R4382 10k
R4383 10K
R4384 4.7K
R4385 10K
Q4251
R4386 100
Q4247
R4370 100
R4369 2.2K
H.BLK 5Vpp
R4360 2.2K
R4397 4.7K
R4373 680
Q4244
R4371 100
Q4246
R4372 10K
R4363 15K
R4364 10K
C4234 10/16
100pCH
C4243
D4209
R4374 15K
R4375 2.2K
Q4248
R4398 15K
R4376 100
100pCH
C4235
D4207
R4377 15K
R4378 15K
Q4249
R4379 2.2K
CP 5Vpp
R4380 100
R439
10K
C2/5
Y2
R_Y2
B_Y2
CLP
C5/5
APL
From COLOR DECOORD BLOCK
SCP
C1/5
H_BLK0

C 3/5

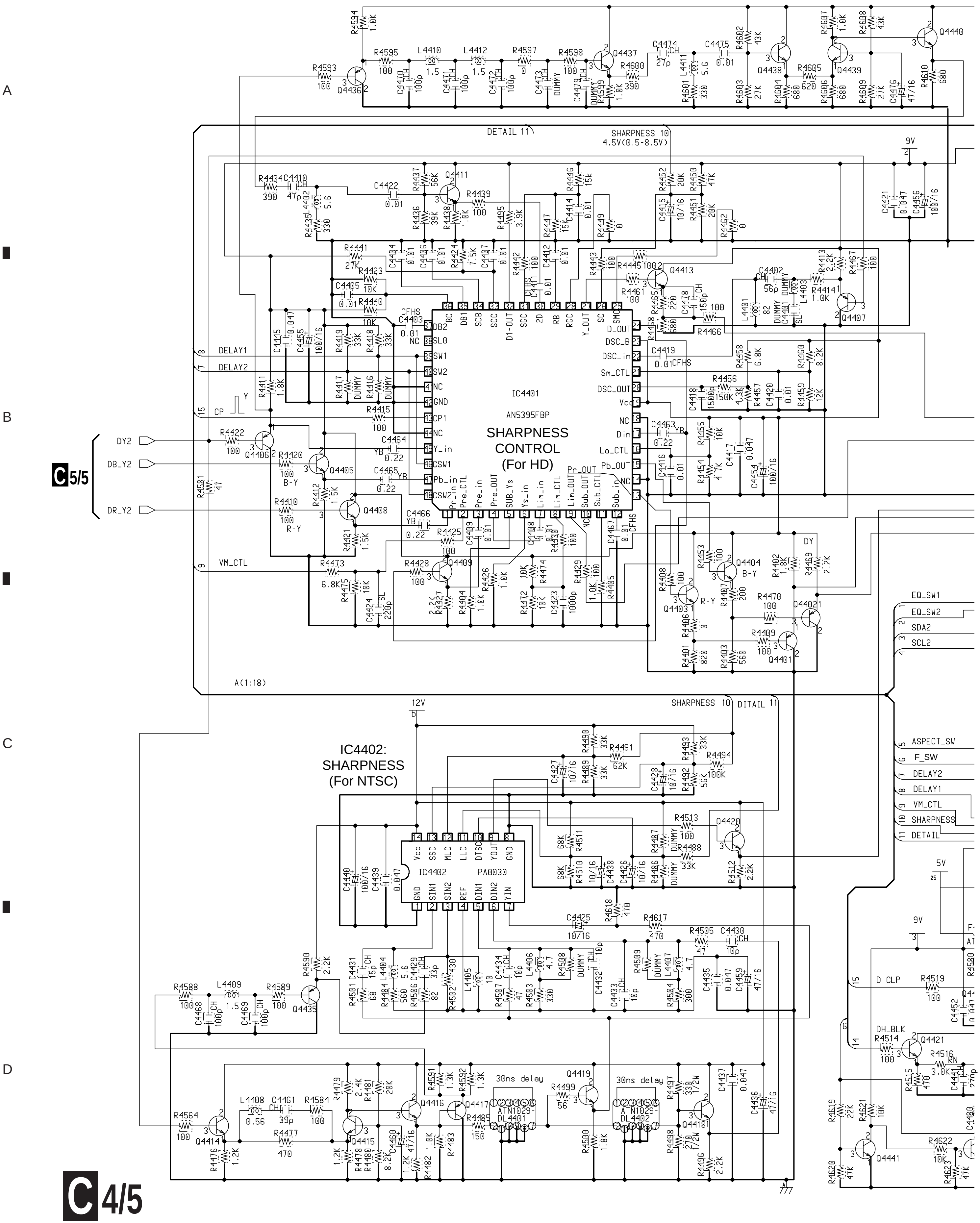


TE

- Transister
  - 2SA1162(TGR)-TLB
  - 2SC2712(YGR)-TLB
- Diode
  - 1SS352-TRB
- Resistor indicated in ohm,1/16W+5% tolerance unless otherwise noted.k:k ohm,M:M ohm
- Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.

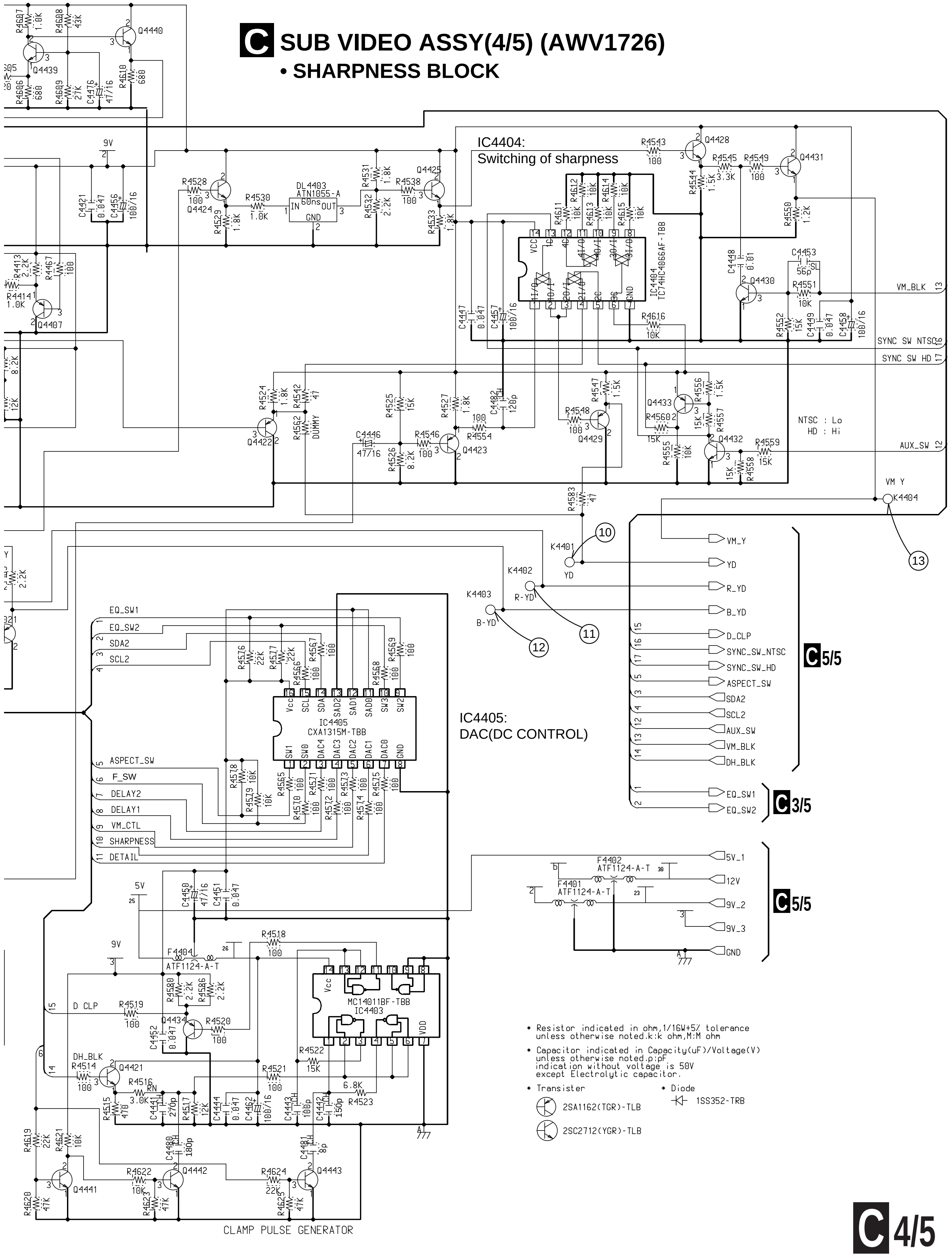
A
B
C
D
VR4201
R4390 560
IC4202 MC14577CF
VDD
VSS
C4240 0.047
R4389 1.0K
R4388 3.9K
R4387 3.9K
+9V
C4223 0.047
C4236 100/16
FLESH TONE ON - Lo OFF- Hi
R4219 22K
Q4202
R4356 22K
R-Y 5.5V(4.5V)+0.70Vpp
B-Y 5.5V(4.5V)+0.70Vpp
R4268 100
Q4213
R4270 3.3K
R4269 100
Q4214
R4271 3.3K
C4210 NP 2.2/35
R4211 7.5K
R4215 12K
VR4202 4.7k
R4214 18K
R4222 20K
R4213 51K
R4221 18K
R4220 18K
R4212 15K
R4216 1.0K
R4210 6.8K
R4218 6.8K
R4217 13K
R4209 10K
C4201 0.33/50
C4202 0.33/50
EQ SW1 EQ SW2
Lo Lo
Hi Lo
Lo Hi
H.BLK 4.4Vpp
R4266 6.8K
D4202 1SS184-TLB
R4267 15K
C4222 100p CH
D4201
Q4212
R4264 10K
R4265 10K
R4272 22K
SUB(1:17)
CP 5Vpp
C4211 NP 2.2/35
C4212 1/50
C4213 1/50
IC4201 AN5344FBP-K
COLOR CONTROL
N.C
H R-Y OUT
GND4
GND3
B-Y IN
I.G.C
R-Y IN
CENT
+C.C
-C.C
C.S.C
C.G.C
D CONT
OFF SET
K.G.C
CNR R-Y IN
CNR B-Y IN
H B-Y OUT
K CONT
CCD R-Y IN
CCD B-Y IN
CCD R-Y OUT
CCD B-Y OUT
GND1
GND2
DM
C.C.L
YH IN
C.S.L
GND5
CRI
Y IN
L.S.L
CPD
CLL
GAIN
COL
A.L.S
R-Y OUT
B-Y OUT
TINT
SHIFT
APL
HB OUT
VCC 4
VCC 3
SCP IN
MMCR
CP OUT
HBL
CNR R-Y OUT
CNR B-Y OUT
HB R-Y IN
HB B-Y IN
VCC2
VCC1
DC IN
YS IN
VCC 5
R4205 100
C4203 0.047
C4206 100/16
R4357 15K
C4232 1000p
R4203 10K
R4204 10K
C4209 NP 0.33/50
C4208 NP 0.33/50
R4208 Dummy
R4207 Dummy
R4206 1.0K
C4204 0.047
C4205 100/16
Y 7.1V+1.6Vpp
R4256 100
Q4209
R4351 1.1K
R4257 1.0K
R4223 470K
C4214 0.01 M
R4252 560K
R4355 0
R4224 39K
R4225 3.6K
R4226 100K
R4227 22K
LOW LIGHT CNR
R4249 1.0K
R4250 3.9K
R4245 100
Q4205
R4246 56
Q4207
R4253 10K
CNR SW OFF Hi ON Lo
Q4206
R4254 100
Q4208
3.1Vdc
D4203
R4393 220
R4391 10K
R4392 10K
Q4252
R4247 680
C4231 10/50
R4251 16K
R4349 10K
R4350 10K
R4248 22K
Y 3.0V+0.73Vpp
R4379 2.2K
D4207
CP 5Vpp
Q4249
R4380 100
15K
C4215 0.01
C4216 1/50
R4228 18K
R4229 1M
C4217 1/50
C4218 0.47/50
R4230 0.01
R4231 220K
R4232 2.7K
R4233 22K
R4233 2.7K
R4236 47K
R4237 22K
C4219 2.2/50
R4234 6.8K
K4203
B-Y
R4241 2.2K
R4240 100
R4239 100
Q4203
3.9V+1.0Vpp
R4244 2.2K
R4243 100
R4242 100
Q4204
R-Y
K4202
3.9V+1.0Vpp
R4301 100
Q4228
R4302 680
R4330 620
ATN1040-DL4201 150n
IN OUT GND
R4332 2.4K
Q4238
R4331 820
R4333 510
R4338 470
C4229 33p CH
L4202 5.6
R4334 510
R4340 1.2K
R4335 24K
Q4239
R4339
R4336 510
8.2K
C4230 100/16
R4341 100
Q4240
R4342 2.0K
R4337 2.2K
5.2V+1.4Vpp
Y
K4201
7
8
9

■ SUB VIDEO ASSY (4/5)


A
B
C
D
C 5/5
DY2
DB_Y2
DR_Y2
DELAY1
DELAY2
CP
VM_CTL
DETAIL 11
SHARPNESS 10
4.5V(0.5-8.5V)
9V
IC4401
AN5395FBP
SHARPNESS
CONTROL
(For HD)
DB2
SL0
SW1
SW2
NC
GND
CP1
Y_in
CSW1
Pb_in
CSW2
BC
DB1
SCB
SCC
D1-OUT
SGC
2D
RB
RGC
Y_OUT
SC
SMC
D_OUT
DSC_B
DSC_in
Sm_CTL
DSC_OUT
Vcc
Din
La_CTL
Pb_OUT
Pr_OUT
Pr_in
Pre_CTL
Pre_in
Pre_OUT
SUB_Ys
Ys_in
Lin_in
Lin_CTL
Lin_OUT
Sub_OUT
Sub_CTL
Sub_in
A(1:18)
12V
SHARPNESS 10
DITAIL 11
IC4402:
SHARPNESS
(For NTSC)
IC4402
PA0030
Vcc
SSC
MLC
LLC
DTSC
YOUT
GND
SIN1
SIN2
REF
DIN1
DIN2
YIN
EQ_SW1
EQ_SW2
SDA2
SCL2
ASPECT_SW
F_SW
DELAY2
DELAY1
VM_CTL
SHARPNESS
DETAIL
5V
9V
D CLP
DH_BLK
30ns delay
ATN1029-DL4401
ATN1029-DL4402
Q4401
Q4402
Q4403
Q4404
Q4405
Q4406
Q4407
Q4408
Q4409
Q4411
Q4413
Q4414
Q4415
Q4416
Q4417
Q4418
Q4419
Q4420
Q4421
Q4435
Q4436
Q4437
Q4438
Q4439
Q4440
Q4441

C SUB VIDEO ASSY(4/5) (AWV1726)

• SHARPNESS BLOCK


IC4404:
Switching of sharpness
IC4404
TC74HC4066AF-TBB
IC4405:
DAC(DC CONTROL)
IC4405
CXA1315M-TBB
MC14011BF-TBB
IC4403
DL4403
ATN1055-A
60ns
IN
OUT
GND
Q4440
Q4439
Q4407
Q4424
Q4425
Q4428
Q4431
Q4430
Q4422
Q4423
Q4429
Q4433
Q4432
Q4434
Q4421
Q4441
Q4442
Q4443
9V
5V
VM_BLK 13
SYNC SW NTSC 16
SYNC SW HD 17
NTSC : Lo
HD : Hi
AUX_SW 12
VM Y
K4404
K4401
YD
K4402
R-YD
K4403
B-YD
10
11
12
13
VM_Y
YD
R_YD
B_YD
D_CLP
SYNC_SW_NTSC
SYNC_SW_HD
ASPECT_SW
SDA2
SCL2
AUX_SW
VM_BLK
DH_BLK
C5/5
EQ_SW1
EQ_SW2
C3/5
5V_1
12V
9V_2
9V_3
GND
C5/5
F4402
ATF1124-A-T
F4401
ATF1124-A-T
F4404
ATF1124-A-T
EQ_SW1
EQ_SW2
SDA2
SCL2
ASPECT_SW
F_SW
DELAY2
DELAY1
VM_CTL
SHARPNESS
DETAIL
D CLP
DH_BLK
CLAMP PULSE GENERATOR
2SA1162(TGR)-TLB
2SC2712(YGR)-TLB
1SS352-TRB

• Resistor indicated in ohm,1/16W+5% tolerance unless otherwise noted.k:k ohm,M:M ohm

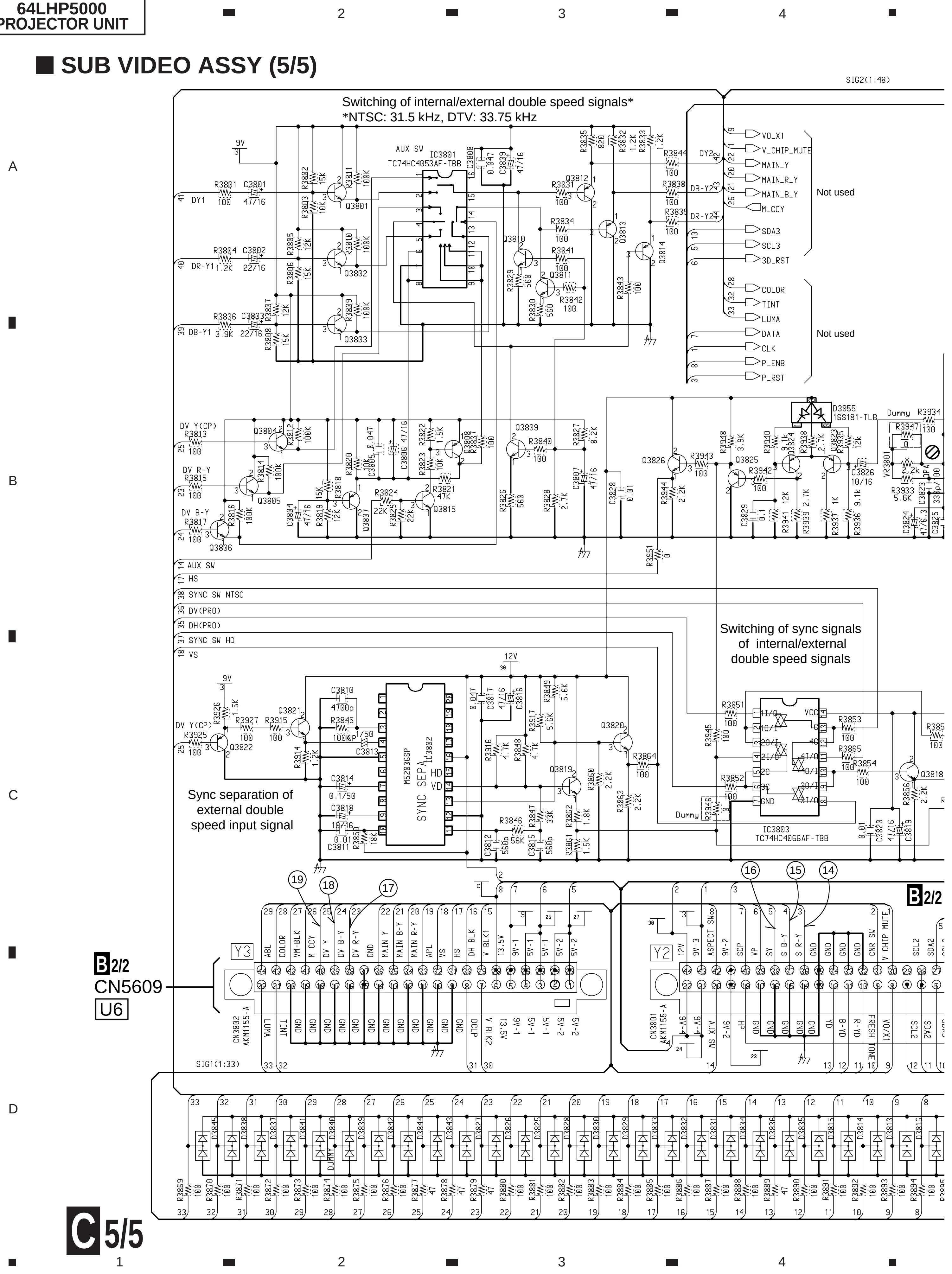
• Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.

• Transister

• Diode

C 4/5

SUB VIDEO ASSY (5/5)

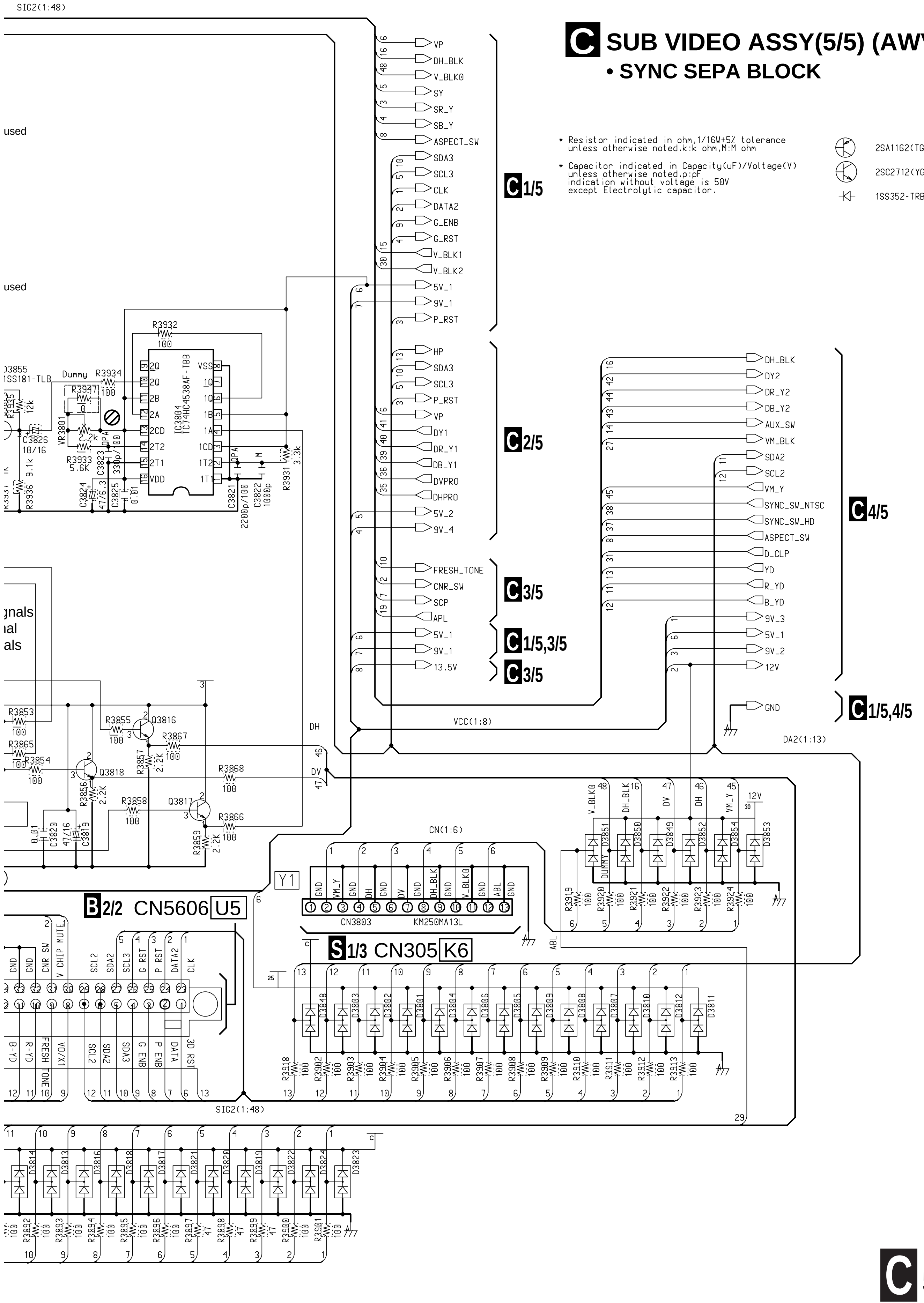

1
2
3
4
A
B
C
D
SIG2(1:48)
Switching of internal/external double speed signals*
*NTSC: 31.5 kHz, DTV: 33.75 kHz
AUX SW
IC3801
TC74HC4053AF-TBB
9V
DY1
DR-Y1
DB-Y1
Q3801
Q3802
Q3803
Q3810
Q3811
Q3812
Q3813
Q3814
VO_X1
V_CHIP_MUTE
MAIN_Y
MAIN_R_Y
MAIN_B_Y
M_CCY
SDA3
SCL3
3D_RST
Not used
COLOR
TINT
LUMA
DATA
CLK
P_ENB
P_RST
Not used
DY2
DB-Y2
DR-Y2
D3855
1SS181-TLB
Dummy
VR3801
DV Y(CP)
DV R-Y
DV B-Y
Q3804
Q3805
Q3806
Q3807
Q3808
Q3809
Q3815
Q3823
Q3824
Q3825
Q3826
AUX SW
HS
SYNC SW NTSC
DV(PRO)
DH(PRO)
SYNC SW HD
VS
Switching of sync signals of internal/external double speed signals
12V
9V
Q3821
Q3822
M52036SP
SYNC SEPA
IC3802
HD
VD
Q3819
Q3820
Q3818
Sync separation of external double speed input signal
IC3803
TC74HC4066AF-TBB
Dummy
B 2/2
CN5609
U6
Y3
Y2
CN3802
AKM1155-A
CN3801
AKM1155-A
ABL
COLOR
VM-BLK
M CCY
DV Y
DV B-Y
DV R-Y
GND
MAIN Y
MAIN B-Y
MAIN R-Y
APL
VS
HS
DH BLK
V BLK1
13.5V
9V-1
5V-1
5V-1
5V-2
5V-2
LUMA
TINT
DCLP
V BLK2
12V
9V-3
ASPECT SW
9V-2
SCP
VP
SY
S B-Y
S R-Y
CNR SW
V CHIP MUTE
SCL2
SDA2
9V-4
AUX SW
HP
YD
B-YD
R-YD
FRESH TONE
VO/X1
SIG1(1:33)
⑰
⑱
⑲
⑭
⑮
⑯
D3845
D3838
D3837
D3841
D3840
DUMMY
D3839
D3842
D3844
D3843
D3827
D3826
D3825
D3828
D3830
D3829
D3833
D3832
D3831
D3834
D3836
D3835
D3815
D3814
D3813
D3816

C SUB VIDEO ASSY(5/5) (AWV1726)

• SYNC SEPA BLOCK

- Resistor indicated in ohm,1/16W+5% tolerance unless otherwise noted.k:k ohm,M:M ohm
- Capacitor indicated in Capacity(uF)/Voltage(V) unless otherwise noted.p:pF indication without voltage is 50V except Electrolytic capacitor.

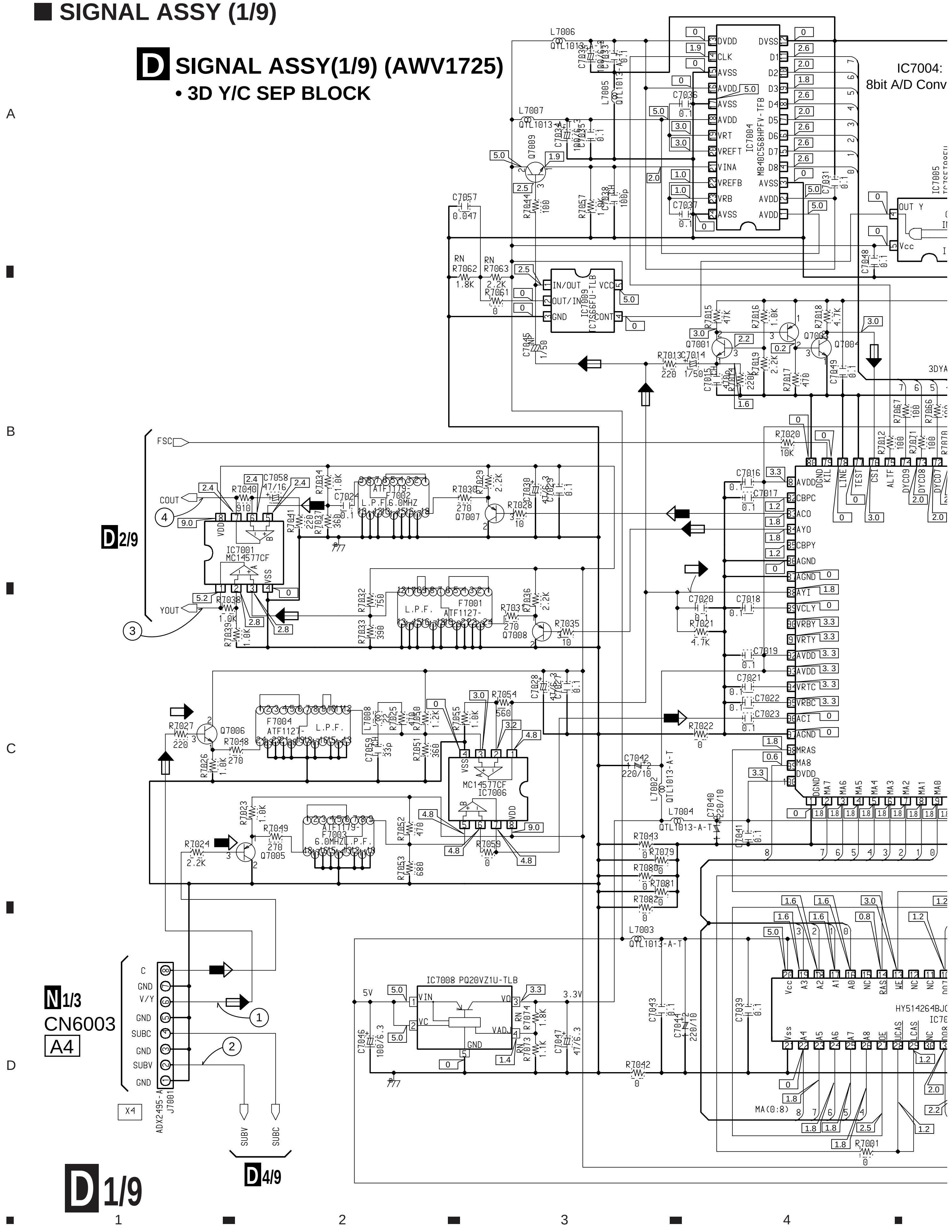
2SA1162(TGR)-TLB
2SC2712(YGR)-TLB
1SS352-TRB

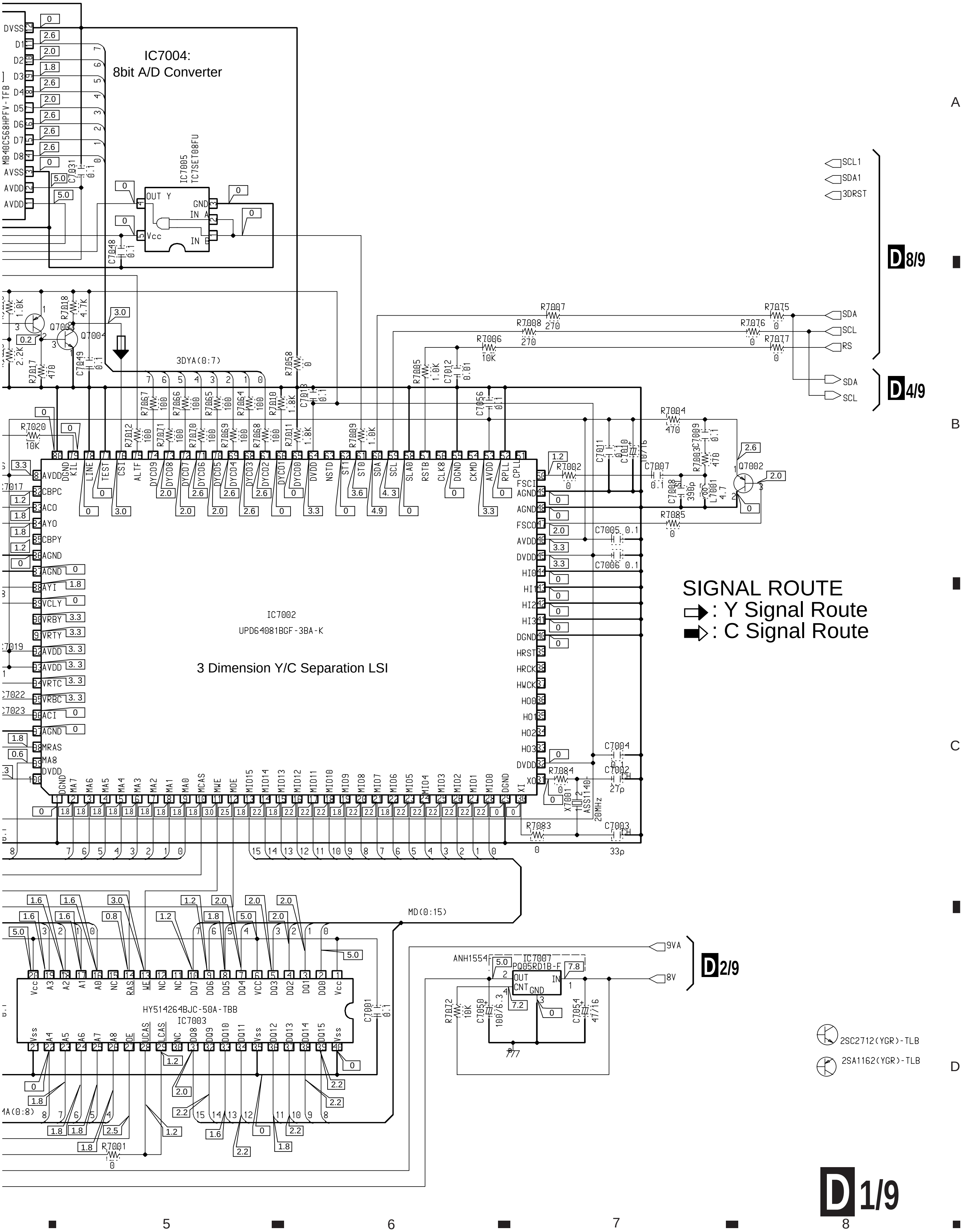

SIG2(1:48)
VP
DH_BLK
V_BLK0
SY
SR_Y
SB_Y
ASPECT_SW
SDA3
SCL3
CLK
DATA2
G_ENB
G_RST
V_BLK1
V_BLK2
5V_1
9V_1
P_RST
C1/5
HP
DY1
DR_Y1
DB_Y1
DVPRO
DHPRO
5V_2
9V_4
C2/5
FRESH_TONE
CNR_SW
SCP
APL
C3/5
13.5V
C1/5,3/5
C3/5
DY2
DR_Y2
DB_Y2
AUX_SW
VM_BLK
SDA2
SCL2
VM_Y
SYNC_SW_NTSC
SYNC_SW_HD
D_CLP
YD
R_YD
B_YD
9V_3
9V_2
12V
C4/5
GND
C1/5,4/5
used
used
R3932
100
IC3804
TC74HC4538AF-TBB
R3934
Dummy
R3947
VR3801
C3826
R3933
5.6K
C3823
330p/100
C3824
47/6.3
C3825
0.01
C3821
2200p/100
C3822
1000p
R3931
3.3k
R3936
9.1k
R3935
12k
gnals
nal
als
R3853
R3865
R3854
R3855
Q3816
R3867
Q3818
R3857
R3856
R3858
Q3817
R3868
R3866
R3859
C3820
C3819
DH
DV
VCC(1:8)
DA2(1:13)
CN(1:6)
Y1
CN3803
KM250MA13L
V_BLK0
DH_BLK
DV
DH
VM_Y
D3851
D3850
D3849
D3852
D3854
D3853
DUMMY
R3919
R3920
R3921
R3922
R3923
R3924
ABL
B2/2 CN5606 U5
S1/3 CN305 K6
GND
CNR SW
V CHIP MUTE
SCL2
SDA2
SCL3
G RST
P RST
DATA2
CLK
B-YD
R-YD
FRESH TONE
VD/X1
SDA3
G ENB
P ENB
DATA
3D RST
D3848
D3803
D3802
D3801
D3804
D3806
D3805
D3809
D3808
D3807
D3810
D3812
D3811
R3918
R3902
R3903
R3904
R3905
R3906
R3907
R3908
R3909
R3910
R3911
R3912
R3913
D3814
D3813
D3816
D3818
D3817
D3821
D3820
D3819
D3822
D3824
D3823
R3892
R3893
R3894
R3895
R3896
R3897
R3898
R3899
R3900
R3901

■ SIGNAL ASSY (1/9)

D SIGNAL ASSY(1/9) (AWV1725)

• 3D Y/C SEP BLOCK


2
3
4
A
B
C
D
L7006
QTL1013-A-T
L7005
L7007
C7036
C7037
C7031
C7057
0.047
IC7004
MB40C568HPFV-TFB
DVDD
CLK
AVSS
AVDD
VRT
VREFT
VINA
VREFB
VRB
DVSS
D1
D2
D3
D4
D5
D6
D7
D8
IC7004:
8bit A/D Conv
IC7005
OUT Y
Vcc
Q7009
R7044
R7057
C7038
100p
RN
R7062
1.8K
R7063
2.2K
R7061
IC7009
TC7S66FU-TLB
IN/OUT
OUT/IN
GND
VCC
CONT
C7045
1/50
R7015
47K
R7016
1.0K
R7018
4.7K
Q7001
Q7003
Q7004
R7013
220
C7014
1/50
C7015
R7014
R7019
R7017
470
C7049
3DYA
R7020
10K
R7012
R7067
R7071
R7066
R7070
DGND
KIL
LINE
TEST
CS1
ALTF
DYC09
DYC08
DYC07
FSC
COUT
YOUT
④
③
D2/9
IC7001
MC14577CF
VDD
VSS
R7040
910
C7058
47/16
R7034
1.0K
R7041
R7037
C7024
F7002
ATF1179-
L.P.F.6.0MHZ
R7030
270
R7029
2.2K
R7028
10
Q7007
C7030
47/6.3
C7029
R7038
1.0K
R7039
R7032
750
R7033
390
L.P.F.
F7001
ATF1127-
R7031
270
R7036
2.2K
R7035
10
Q7008
C7016
C7017
AVDD
CBPC
ACO
AYO
CBPY
AGND
AYI
VCLY
VRBY
VRTY
VRTC
VRBC
ACI
MRAS
MA8
DVDD
DGND
MA7
MA6
MA5
MA4
MA3
MA2
MA1
MA0
C7020
C7018
R7021
4.7K
C7019
C7021
C7022
C7023
R7022
Q7006
R7027
220
F7004
ATF1127-
L.P.F.
L7008
R7048
270
R7026
1.0K
C7059
33p
R7025
22
R7050
470
R7051
360
R7055
1.2K
R7054
560
1.0K
C7028
47/6.3
C7027
IC7006
MC14577CF
C7042
220/10
L7002
QTL1013-A-T
L7004
C7040
220/10
C7041
R7023
1.0K
R7049
270
F7003
ATF1179-
6.0MHZ L.P.F.
R7052
470
R7053
680
R7024
2.2K
Q7005
R7059
R7043
R7079
R7080
R7081
R7082
L7003
N1/3
CN6003
A4
C
GND
V/Y
SUBC
SUBV
①
②
ADX2495-A
J7001
X4
SUBV
SUBC
D4/9
IC7008 PQ20VZ1U-TLB
VIN
VO
VC
VADJ
5V
3.3V
C7046
100/6.3
R7074
1.8K
R7073
1.1K
C7047
47/6.3
C7043
C7044
220/10
C7039
R7042
HY514264BJ
Vcc
A3
A2
A1
A0
NC
RAS
WE
Vss
A4
A5
A6
A7
A8
OE
UCAS
LCAS
MA(0:8)
R7001
D 1/9


5
6
7
A
B
C
D
IC7004:
8bit A/D Converter
MB40C568HPFV-TFB
DVSS
D1
D2
D3
D4
D5
D6
D7
D8
AVSS
AVDD
IC7005
TC7SET08FU
OUT Y
GND
IN A
IN B
Vcc
C7031
C7048
R7018
4.7K
1.0K
Q7003
Q7004
2.2K
R7017
470
C7049
3DYA(0:7)
R7058
IC7002
UPD64081BGF-3BA-K
3 Dimension Y/C Separation LSI
AVDD
CBPC
ACO
AYO
CBPY
AGND
AYI
VCLY
VRBY
VRTY
VRTC
VRBC
ACI
MRAS
MA8
DVDD
DGND
KIL
LINE
TEST
CSI
ALTF
DYCO9
DYCO8
DYCO7
DYCO6
DYCO5
DYCO4
DYCO3
DYCO2
DYCO1
DYCO0
DVDD
NSTD
ST1
ST0
SDA
SCL
SLA0
RSTB
CLK8
DGND
CKMD
AVDD
RPLL
CPLL
FSCI
AGND
FSCO
HI0
HI1
HI2
HI3
HRST
HRCK
HWCK
HO0
HO1
HO2
HO3
XO
XI
MA7
MA6
MA5
MA4
MA3
MA2
MA1
MA0
MCAS
MWE
MOE
MIO15
MIO14
MIO13
MIO12
MIO11
MIO10
MIO9
MIO8
MIO7
MIO6
MIO5
MIO4
MIO3
MIO2
MIO1
MIO0
R7020
10K
R7007
270
R7008
270
R7006
10K
R7005
1.0K
C7012
0.01
R7075
0
R7076
0
R7077
0
SCL1
SDA1
3DRST
SDA
SCL
RS
D8/9
D4/9
R7004
470
C7009
R7003
C7011
C7010
10/16
C7007
C7008
390p
L7001
4.7
Q7002
R7002
R7085
C7005 0.1
C7006 0.1
C7004
C7002
27p
R7084
X7001
ASS1140-
20MHz
R7083
C7003
33p
MD(0:15)
HY514264BJC-50A-TBB
IC7003
C7001
Vcc
A3
A2
A1
A0
NC
RAS
WE
DQ7
DQ6
DQ5
DQ4
VCC
DQ3
DQ2
DQ1
DQ0
Vss
A4
A5
A6
A7
A8
OE
UCAS
LCAS
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
MA(0:8)
R7001
ANH1554
IC7007
PQ05RD1B-F
OUT
CNT
GND
IN
R7072
10K
C7050
100/6.3
C7054
47/16
9VA
8V
D2/9
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
D 1/9

SIGNAL ROUTE

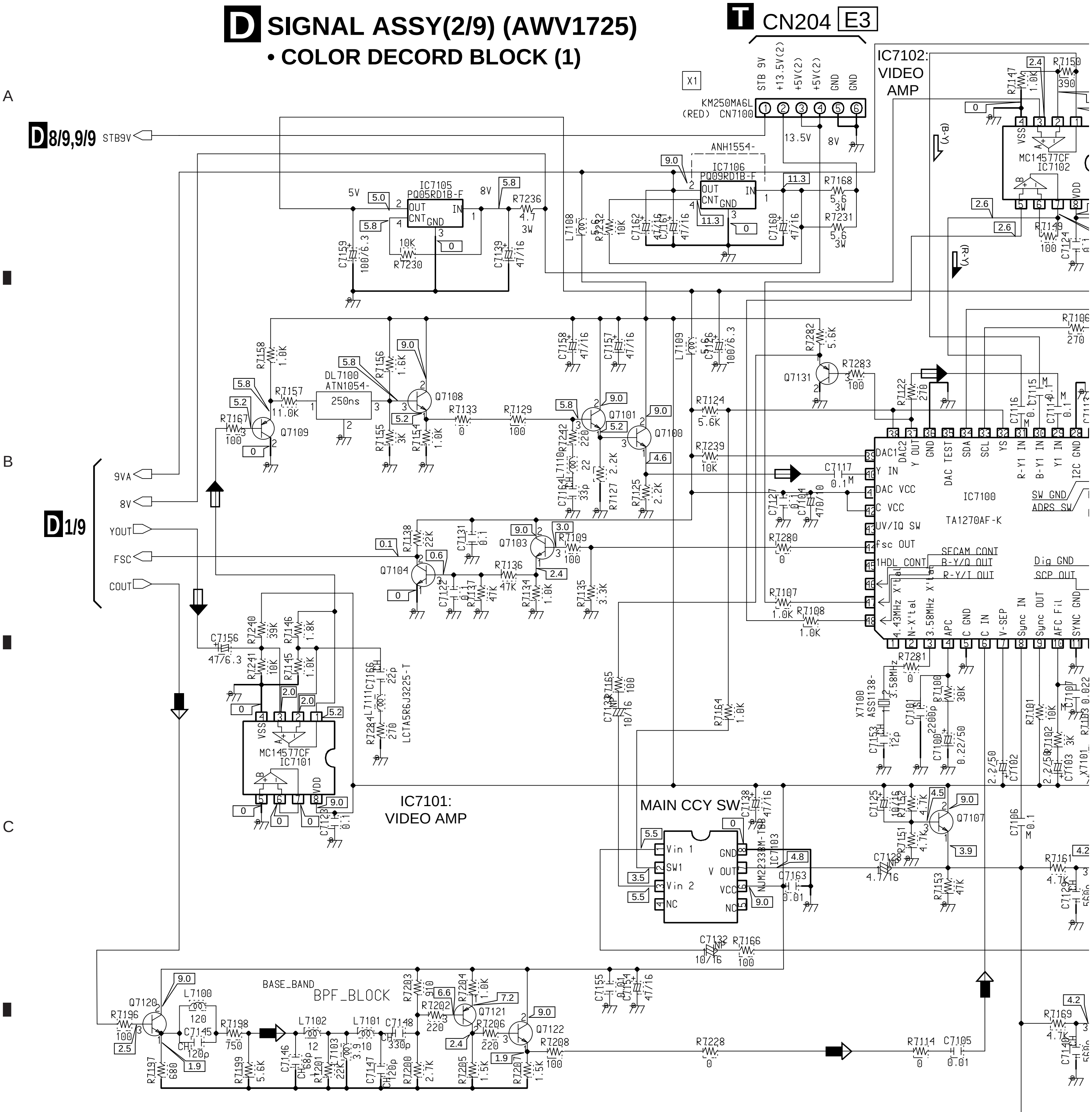
➡ : Y Signal Route

➡ : C Signal Route

SIGNAL ASSY (2/9)

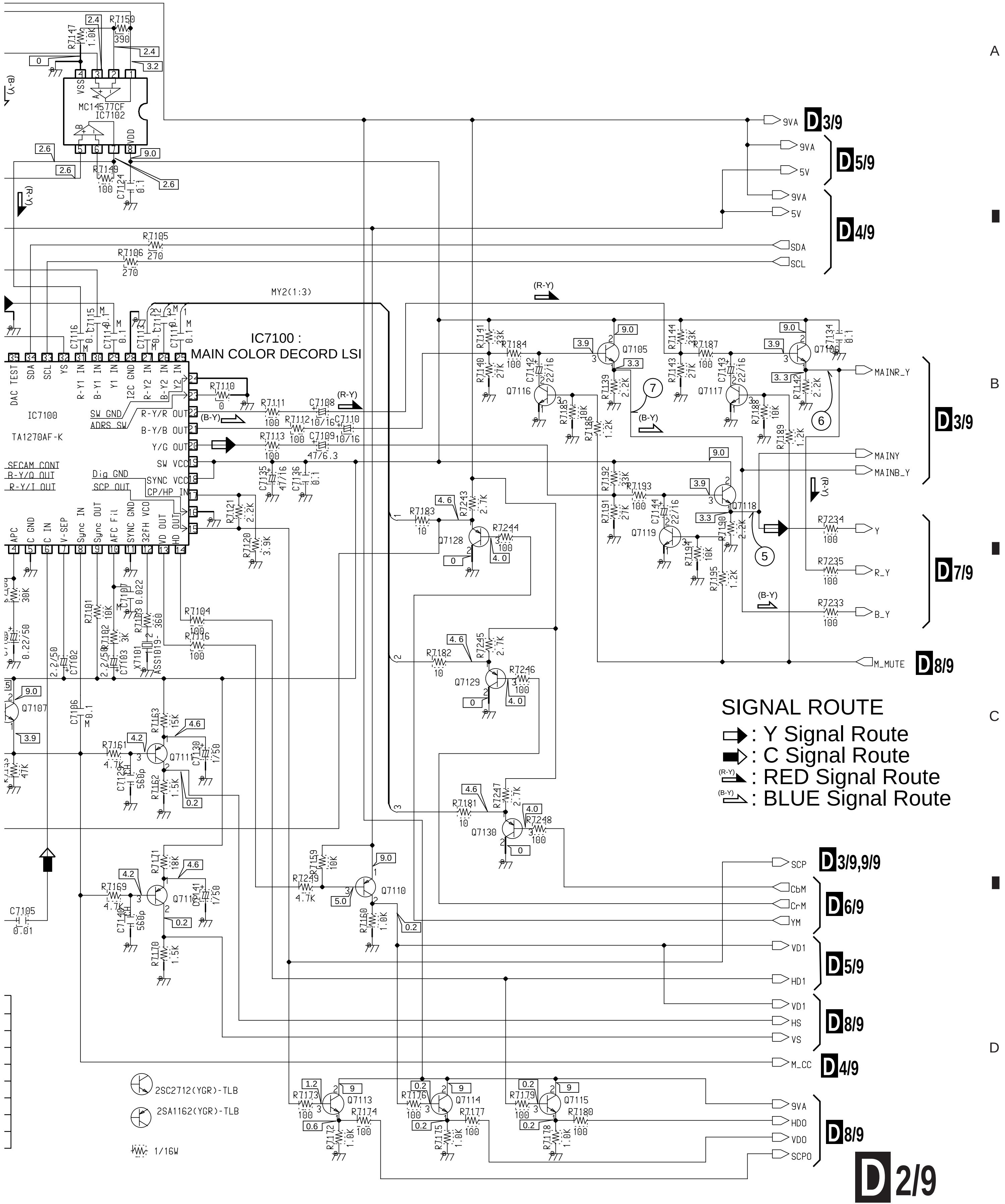
D SIGNAL ASSY(2/9) (AWV1725)

- COLOR DECORD BLOCK (1)


T CN204 E3
STB 9V
+13.5V(2)
+5V(2)
+5V(2)
GND
GND
X1
KM250MA6L
(RED) CN7100
IC7102:
VIDEO
AMP
D 8/9,9/9
STB9V
13.5V
8V
ANH1554-
IC7106
PQ09RD1B-F
IC7105
PQ05RD1B-F
OUT
CNT
GND
IN
5V
8V
5.0
5.8
9.0
11.3
R7236
4.7
3W
R7168
5.6
3W
R7231
5.6
3W
R7230
10K
C7159
100/6.3
C7139
47/16
L7108
R7232
10K
C7162
47/16
C7161
47/16
C7160
47/16
MC14577CF
IC7102
VSS
VDD
(B-Y)
(R-Y)
R7147
1.0K
R7150
390
R7149
100
C7124
R7106
270
R7282
5.6K
Q7131
R7283
100
R7122
270
C7116
C7115
C7114
R7158
1.0K
R7156
1.6K
DL7100
ATN1054-
250ns
R7157
11.0K
R7167
100
Q7109
Q7108
R7133
0
R7129
100
R7155
3K
R7154
1.0K
C7158
47/16
C7157
47/16
L7109
C7126
100/6.3
Q7101
Q7100
R7242
220
L7110
22
C7164
33p
R7127
2.2K
R7125
2.2K
R7124
5.6K
R7239
10K
C7117
0.1
C7127
0.1
C7104
470/10
R7280
0
R7107
1.0K
R7108
1.0K
DAC1
DAC2
Y OUT
GND
DAC TEST
SDA
SCL
YS
R-Y1 IN
B-Y1 IN
Y1 IN
I2C GND
Y IN
DAC VCC
C VCC
UV/IQ SW
fsc OUT
1HDL CONT
SECAM CONT
R-Y/Q OUT
B-Y/I OUT
IC7100
TA1270AF-K
SW GND
ADRS SW
Dig GND
SCP OUT
4.43MHz X'tal
N-X'tal
3.58MHz X'tal
APC
C GND
C IN
V-SEP
Sync IN
Sync OUT
AFC Fil
SYNC GND
D 1/9
9VA
8V
YOUT
FSC
COUT
R7138
22K
C7131
0.1
Q7103
R7109
100
Q7104
C7122
0.1
R7137
47K
R7136
47K
R7134
1.0K
R7135
3.3K
C7156
47/6.3
R7240
39K
R7146
1.8K
R7241
10K
R7145
1.0K
L7111
C7166
22p
LCTA5R6J3225-T
R7284
270
MC14577CF
IC7101
C7123
0.1
IC7101:
VIDEO AMP
C7165
100
C7133
10/16
R7164
1.0K
X7100
ASS1138-
3.58MHz
C7153
12p
C7101
2200p
R7281
0
R7100
30K
C7100
0.22/50
C7102
2.2/50
R7101
R7102
10K
C7103
0.022
R7103
3K
X7101
C7125
0.01
R7152
4.7K
R7115
4.7K
Q7107
R7151
4.7K
C7134
4.7/16
R7153
47K
C7106
0.1
R7161
4.7K
C7120
MAIN CCY SW
C7138
47/16
Vin 1
SW1
Vin 2
NC
GND
V OUT
VCC
NJM2233BM-TE3
IC7103
C7163
0.01
C7132
10/16
R7166
100
BASE_BAND
BPF_BLOCK
Q7120
L7100
120
R7196
100
C7145
120p
R7198
750
R7197
680
R7199
5.6K
L7102
12
L7101
C7148
330p
C7146
68p
R7201
R7103
22K
3.9
C7147
120p
R7200
2.7K
R7203
910
R7204
1.0K
R7202
220
Q7121
R7206
220
Q7122
R7205
1.5K
R7207
1.5K
R7208
100
C7155
0.01
C7154
47/16
R7228
0
R7114
0
C7105
0.01
R7169
4.7K
C7140
4.2

IC7100 (TA1270AF-K)

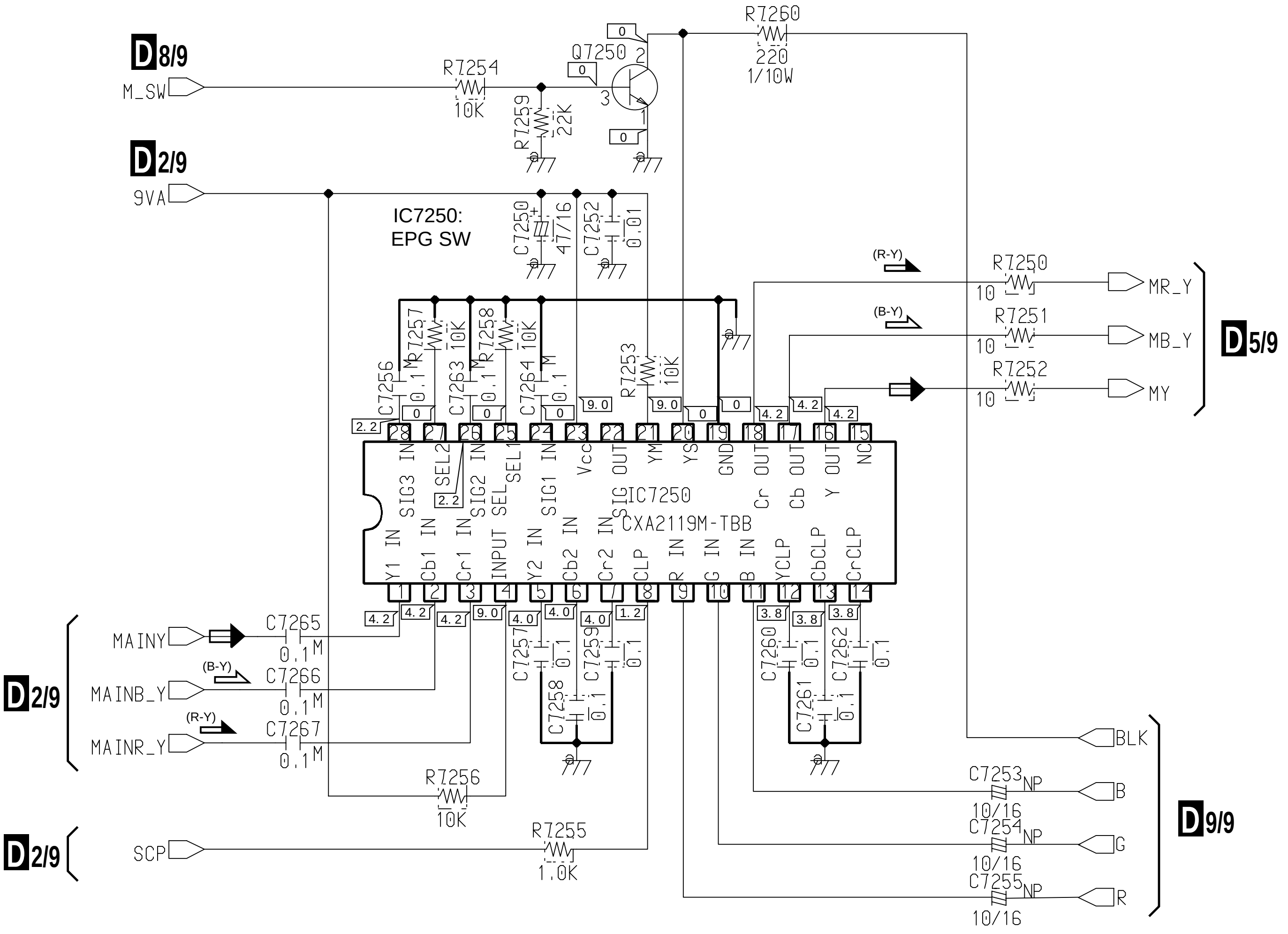
Pin	Voltege(V)	Pin	Voltege(V)	Pin	Voltege(V)	Pin	Voltege(V)	Pin	Voltege(V)	Pin	Voltege(V)
1	4.0	9	8.0	17	0.8	25	2.0	33	3.5	41	5.0
2	4.0	10	7.2	18	8.9	26	2.0	34	3.5	42	5.0
3	4.0	11	0	19	8.9	27	2.0	35	-	43	0.8
4	2.2	12	5.5	20	4.5	28	0	36	0	44	3.0
5	0	13	5.0	21	4.5	29	2.0	37	2.4	45	-
6	-	14	0.2	22	4.5	30	2.0	38	3.6	46	-
7	3.0	15	1.2	23	0	31	2.0	39	0	47	2.8
8	2.6	16	0	24	0	32	3.5	40	2.0	48	2.6

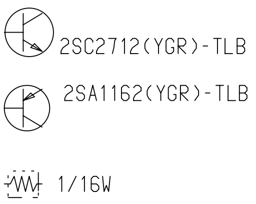

IC7100 :
MAIN COLOR DECORD LSI
IC7100
TA1270AF-K
MC14577CF
IC7102
MY2(1:3)
DAC TEST
SDA
SCL
YS
R-Y1 IN
B-Y1 IN
Y1 IN
I2C GND
R-Y2 IN
B-Y2 IN
Y2 IN
SW GND
ADRS SW
R-Y/R OUT
B-Y/B OUT
Y/G OUT
SW VCC
SYNC VCC
CP/HP IN
HD OUT
SECAM CONT
B-Y/Q OUT
R-Y/I OUT
Dig GND
SCP OUT
APC
C GND
C IN
V-SEP
Sync IN
Sync OUT
AFC Fil
SYNC GND
32FH VCO
VD OUT
Q7105
Q7106
Q7116
Q7117
Q7118
Q7119
Q7128
Q7129
Q7130
Q7107
Q7111
Q7112
Q7110
Q7113
Q7114
Q7115
9VA
5V
SDA
SCL
D3/9
D5/9
D4/9
MAINR_Y
MAINY
MAINB_Y
Y
R_Y
B_Y
D7/9
M_MUTE
D8/9
SCP
D3/9,9/9
CbM
CrM
YM
D6/9
VD1
HD1
HS
VS
M_CC
HDO
VDO
SCPO
SIGNAL ROUTE
: Y Signal Route
: C Signal Route
(R-Y) : RED Signal Route
(B-Y) : BLUE Signal Route
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
D 2/9

■ SIGNAL ASSY (3/9)

D SIGNAL ASSY(3/9) (AWV1725)

• COLOR DECORD BLOCK (2)


D8/9
M_SW
R7254
10K
Q7250
R7259
22K
R7260
220
1/10W
D2/9
9VA
IC7250:
EPG SW
C7250
47/16
C7252
0.01
(R-Y)
(B-Y)
R7250
10
MR_Y
R7251
10
MB_Y
R7252
10
MY
D5/9
R7257
10K
R7258
10K
C7256
0.1 M
C7263
0.1 M
C7264
0.1 M
R7253
10K
SIG3 IN
SEL2
SIG2 IN
SEL1
SIG1 IN
Vcc
SIG OUT
YM
YS
GND
Cr OUT
Cb OUT
Y OUT
NC
IC7250
CXA2119M-TBB
Y1 IN
Cb1 IN
Cr1 IN
INPUT SEL
Y2 IN
Cb2 IN
Cr2 IN
CLP
R IN
G IN
B IN
YCLP
CbCLP
CrCLP
D2/9
MAINY
MAINB_Y
MAINR_Y
C7265
0.1 M
C7266
0.1 M
C7267
0.1 M
C7257
0.1
C7259
0.1
C7258
0.1
C7260
0.1
C7262
0.1
C7261
0.1
R7256
10K
D2/9
SCP
R7255
1.0K
BLK
C7253 NP
10/16
B
C7254 NP
10/16
G
C7255 NP
10/16
R
D9/9


2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W

SIGNAL ROUTE

➡ : Y Signal Route

(R-Y) ➡ : RED Signal Route

(B-Y) ⇨ : BLUE Signal Route

D 3/9

A

B

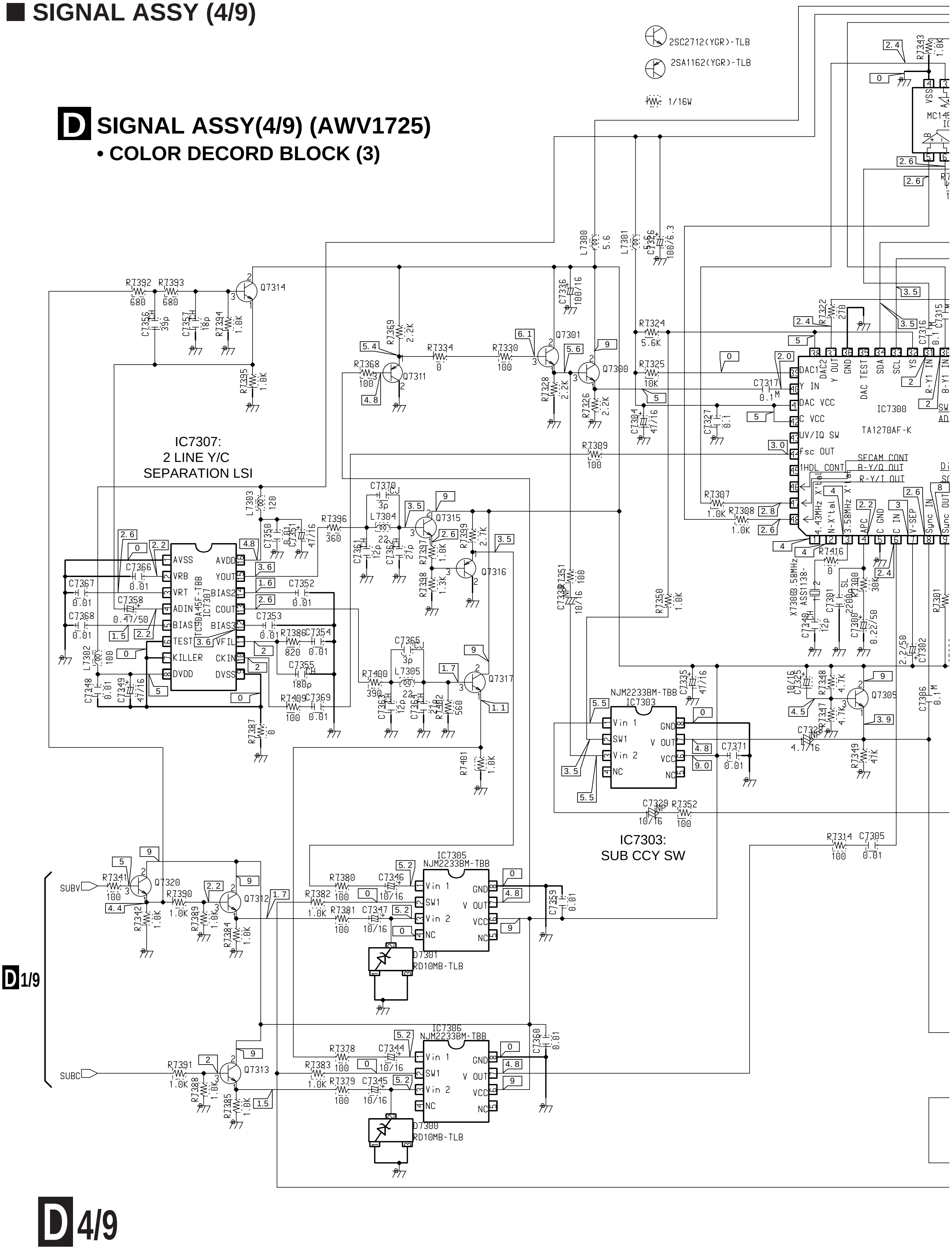
C

D

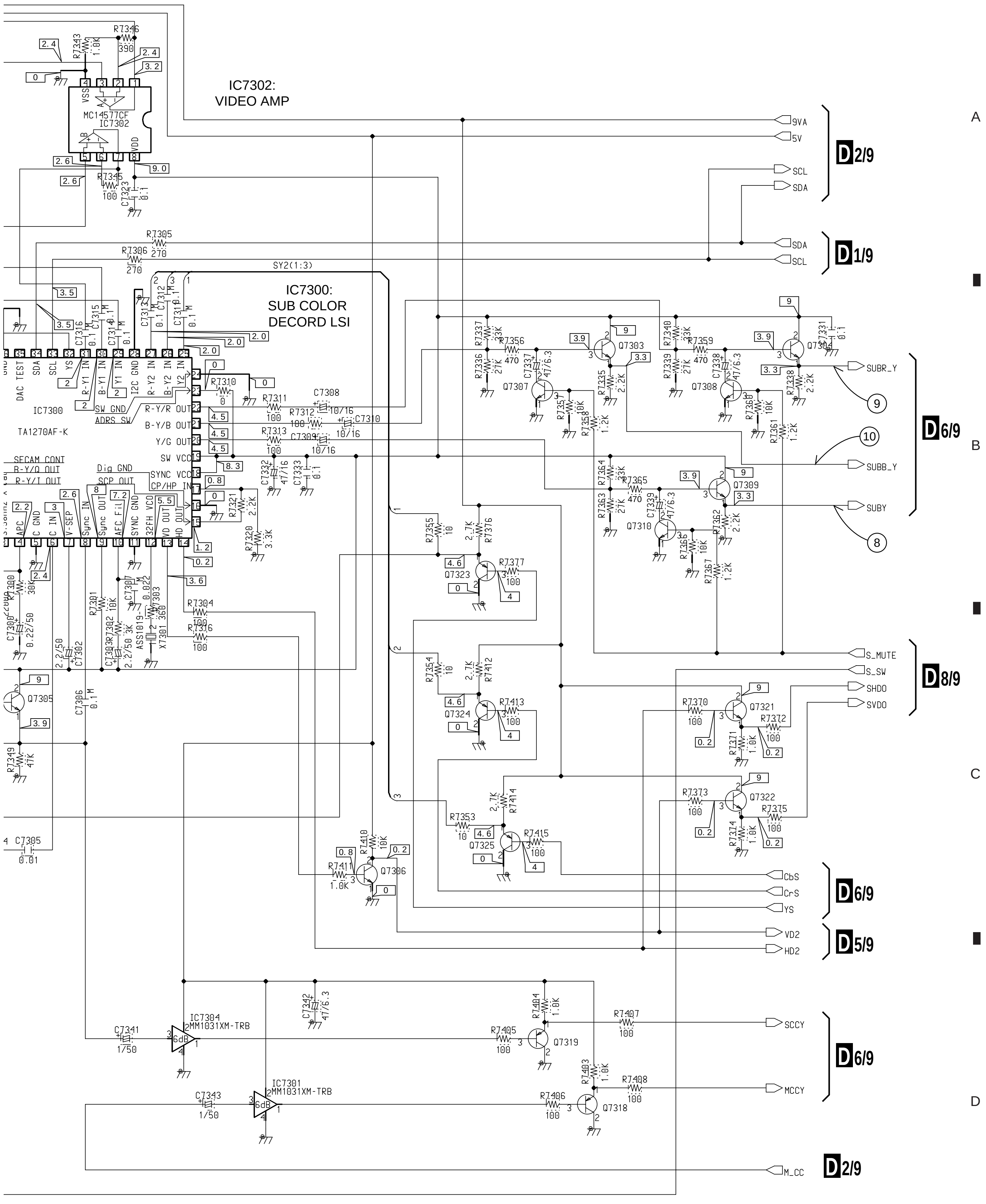
SIGNAL ASSY (4/9)

D SIGNAL ASSY(4/9) (AWV1725)

• COLOR DECORD BLOCK (3)


2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
IC7307:
2 LINE Y/C
SEPARATION LSI
TC90A45F-TBB
IC7307
AVSS
VRB
VRT
ADIN
BIAS1
TEST
KILLER
DVDD
AVDD
YOUT
BIAS2
COUT
BIAS3
VFIL
CKIN
DVSS
Q7314
Q7311
Q7301
Q7300
Q7315
Q7316
Q7317
Q7305
Q7320
Q7312
Q7313
IC7300
TA1270AF-K
DAC1
Y IN
DAC VCC
C VCC
UV/IQ SW
fsc OUT
1HDL CONT
DAC2
Y OUT
GND
DAC TEST
SDA
SCL
YS
R-Y1 IN
B-Y1 IN
SECAM CONT
B-Y/Q OUT
R-Y/I OUT
4.43MHz X'tal
N-X'tal
3.58MHz X'tal
APC
C GND
C IN
V-SEP
Sync IN
Sync OUT
X7300 3.58MHz
ASS1138-
MC145
NJM2233BM-TBB
IC7303
Vin 1
SW1
Vin 2
NC
GND
V OUT
VCC
IC7303:
SUB CCY SW
IC7305
NJM2233BM-TBB
IC7306
NJM2233BM-TBB
D7301
RD10MB-TLB
D7300
RD10MB-TLB
SUBV
SUBC
D 1/9
L7300
L7301
L7302
L7303
L7304
L7305

D 4/9


5
6
7
8
A
B
C
D
IC7302:
VIDEO AMP
MC14577CF
IC7302
R7343 1.0K
R7346 390
R7345 100
C7323 0.1
IC7300:
SUB COLOR
DECORD LSI
IC7300
TA1270AF-K
R7305 270
R7306 270
SY2(1:3)
DAC TEST
SDA
SCL
YS
R-Y1 IN
B-Y1 IN
Y1 IN
I2C GND
R-Y2 IN
B-Y2 IN
Y2 IN
SW GND
ADRS SW
R-Y/R OUT
B-Y/B OUT
Y/G OUT
SW VCC
SYNC VCC
CP/HP IN
SECAM CONT
B-Y/Q OUT
R-Y/I OUT
Dig GND
SCP OUT
APC
C GND
C IN
V-SEP
Sync IN
Sync OUT
AFC Fil
SYNC GND
32FH VCO
VD OUT
HD OUT
R7310 0
R7311 100
R7312 100
R7313 100
C7308 10/16
C7310 10/16
C7309 10/16
C7332 47/16
C7333 0.1
R7321 2.2K
R7320 3.3K
R7300 30K
C7300 0.22/50
C7302 2.2/50
R7301
R7302 10K
C7301 0.1M
C7303 2.2/50
R7303 3K
ASS1019-
X7301 360
C7304 0.022
R7304 100
R7316 100
C7306 0.1M
Q7305
R7349 47K
C7305 0.01
9VA
5V
SCL
SDA
D2/9
D1/9
R7337 33K
R7336 27K
R7356 470
C7337 47/6.3
Q7303
Q7307
R7335 2.2K
R7357 10K
R7358 1.2K
R7340 33K
R7339 27K
R7359 470
C7338 47/6.3
Q7304
Q7308
C7331 0.1
R7338 2.2K
R7360 10K
R7361 1.2K
SUBR_Y
SUBB_Y
SUBY
D6/9
R7364 33K
R7363 27K
R7365 470
C7339 47/6.3
Q7309
Q7310
R7362 2.2K
R7366 10K
R7367 1.2K
R7355 10
R7376 2.7K
R7377 100
Q7323
R7354 10
R7412 2.7K
R7413 100
Q7324
R7414 2.7K
R7353 10
R7415 100
Q7325
R7410 10K
R7411 1.0K
Q7306
S_MUTE
S_SW
SHDO
SVDO
D8/9
R7370 100
Q7321
R7371 1.0K
R7372 100
R7373 100
Q7322
R7374 1.0K
R7375 100
CbS
CrS
YS
D6/9
VD2
HD2
D5/9
IC7304
MM1031XM-TRB
6dB
C7341 1/50
C7342 47/6.3
R7404 1.0K
R7405 100
Q7319
R7407 100
SCCY
IC7301
MM1031XM-TRB
C7343 1/50
R7403 1.0K
R7406 100
Q7318
R7408 100
MCCY
D6/9
M_CC
D2/9
D 4/9

SIGNAL ASSY (5/9)

D SIGNAL ASSY(5/9) (AWV1725)

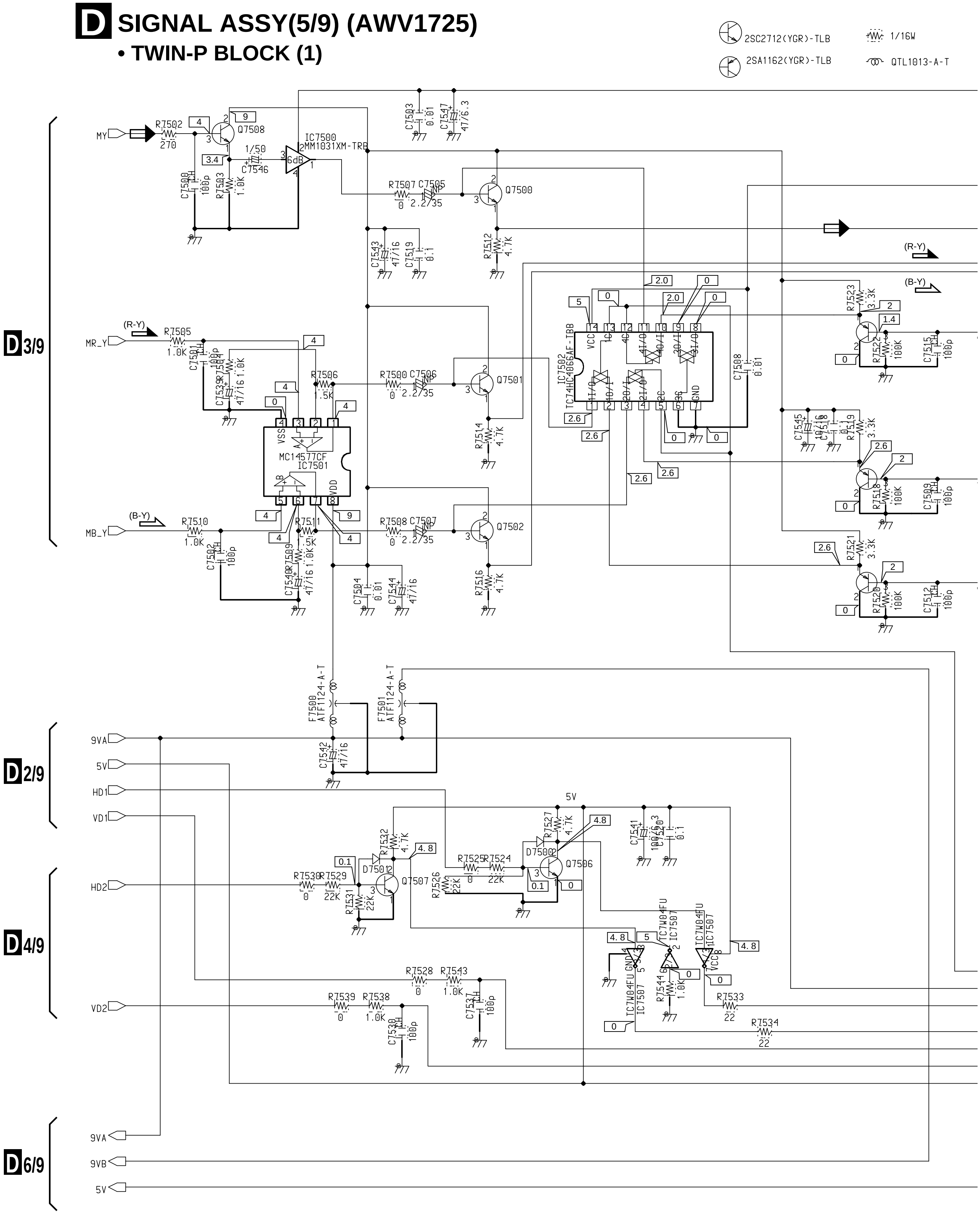
• TWIN-P BLOCK (1)

A

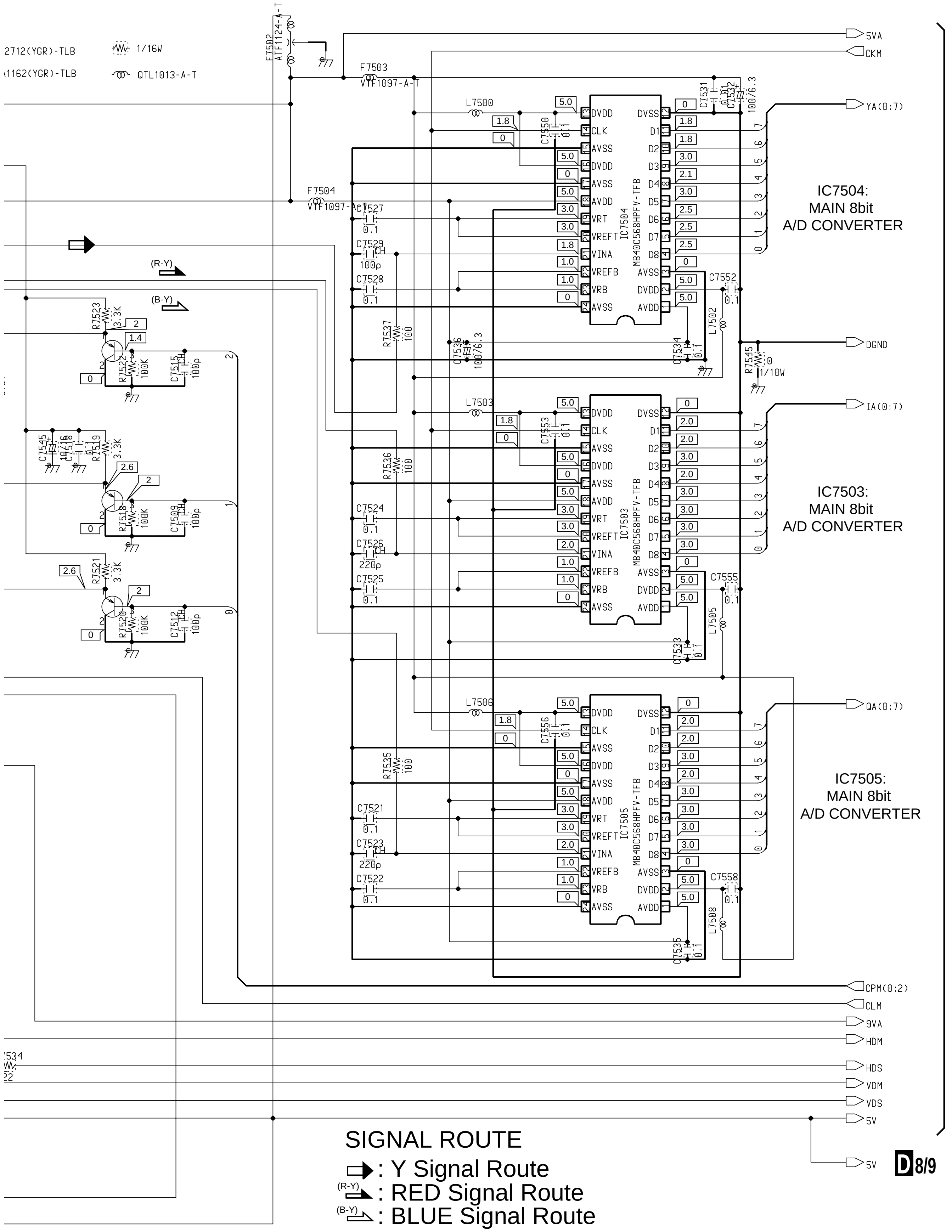
B

C

D


2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
QTL1013-A-T
D3/9
MY
R7502 270
Q7508
IC7500 MM1031XM-TRB
6dB
1/50 C7546
C7500 100p
R7503 1.0K
C7503 0.01
C7547 47/6.3
R7507 0
C7505 2.2/35
Q7500
C7543 47/16
C7519 0.1
R7512 4.7K
(R-Y)
(B-Y)
MR_Y
R7505 1.0K
C7501 100p
R7504 1.0K
C7539 47/16
R7506 1.5K
R7500 0
C7506 2.2/35
Q7501
MC14577CF IC7501
VSS
VDD
R7514 4.7K
IC7502 TC74HC4066AF-TBB
VCC
GND
C7508 0.01
R7523 3.3K
R7522 100K
C7515 100p
C7545 10/16
C7518 0.1
R7519 3.3K
R7518 100K
C7509 100p
R7521 3.3K
R7520 100K
C7512 100p
MB_Y
R7510 1.0K
C7502 100p
R7509 1.0K
C7540 47/16
R7511 1.5K
R7508 0
C7507 2.2/35
Q7502
C7504 0.01
C7544 47/16
R7516 4.7K
F7500 ATF1124-A-T
F7501 ATF1124-A-T
C7542 47/16
D2/9
9VA
5V
HD1
VD1
D4/9
HD2
VD2
R7530 0
R7529 22K
R7531 22K
D7501
Q7507
R7532 4.7K
R7525 0
R7524 22K
R7526 22K
D7500
R7527 4.7K
Q7506
C7541 100/6.3
C7520 0.1
IC7507 TC7W04FU
R7544 1.0K
R7533 22
R7534 22
R7528 0
R7543 1.0K
C7537 100p
R7539 0
R7538 1.0K
C7530 100p
D6/9
9VA
9VB
5V
4.8
2.6
2.0
1.4
0.1

D 5/9


2712(YGR)-TLB
1162(YGR)-TLB
1/16W
QTL1013-A-T
F7502 ATF1124-A-T
F7503 VTF1097-A-T
F7504 VTF1097-A-T
L7500
L7503
L7506
L7502
L7505
L7508
IC7504 MB40C568HPFV-TFB
IC7503 MB40C568HPFV-TFB
IC7505 MB40C568HPFV-TFB
DVDD
CLK
AVSS
VRT
VREFT
VINA
VREFB
VRB
DVSS
D1
D2
D3
D4
D5
D6
D7
D8
AVDD
IC7504:
MAIN 8bit
A/D CONVERTER
IC7503:
MAIN 8bit
A/D CONVERTER
IC7505:
MAIN 8bit
A/D CONVERTER
C7531 0.01
C7532 100/6.3
C7550 0.1
C7527 0.1
C7529 CH 100p
C7528 0.1
C7552 0.1
C7534 0.1
C7536 100/6.3
R7545 0 1/10W
R7537 100
R7536 100
R7535 100
C7553 0.1
C7524 0.1
C7526 CH 220p
C7525 0.1
C7555 0.1
C7533 0.1
C7556 0.1
C7521 0.1
C7523 CH 220p
C7522 0.1
C7558 0.1
C7535 0.1
R7523 3.3K
R7522 100K
C7515 CH 100p
C7545 10/16
C7518 0.1
R7519 3.3K
R7518 100K
C7509 CH 100p
R7521 3.3K
R7520 100K
C7512 CH 100p
R7534
(R-Y)
(B-Y)
5VA
CKM
YA(0:7)
DGND
IA(0:7)
QA(0:7)
CPM(0:2)
CLM
9VA
HDM
HDS
VDM
VDS
5V
5V
D7/9
D8/9
SIGNAL ROUTE
: Y Signal Route
(R-Y) : RED Signal Route
(B-Y) : BLUE Signal Route

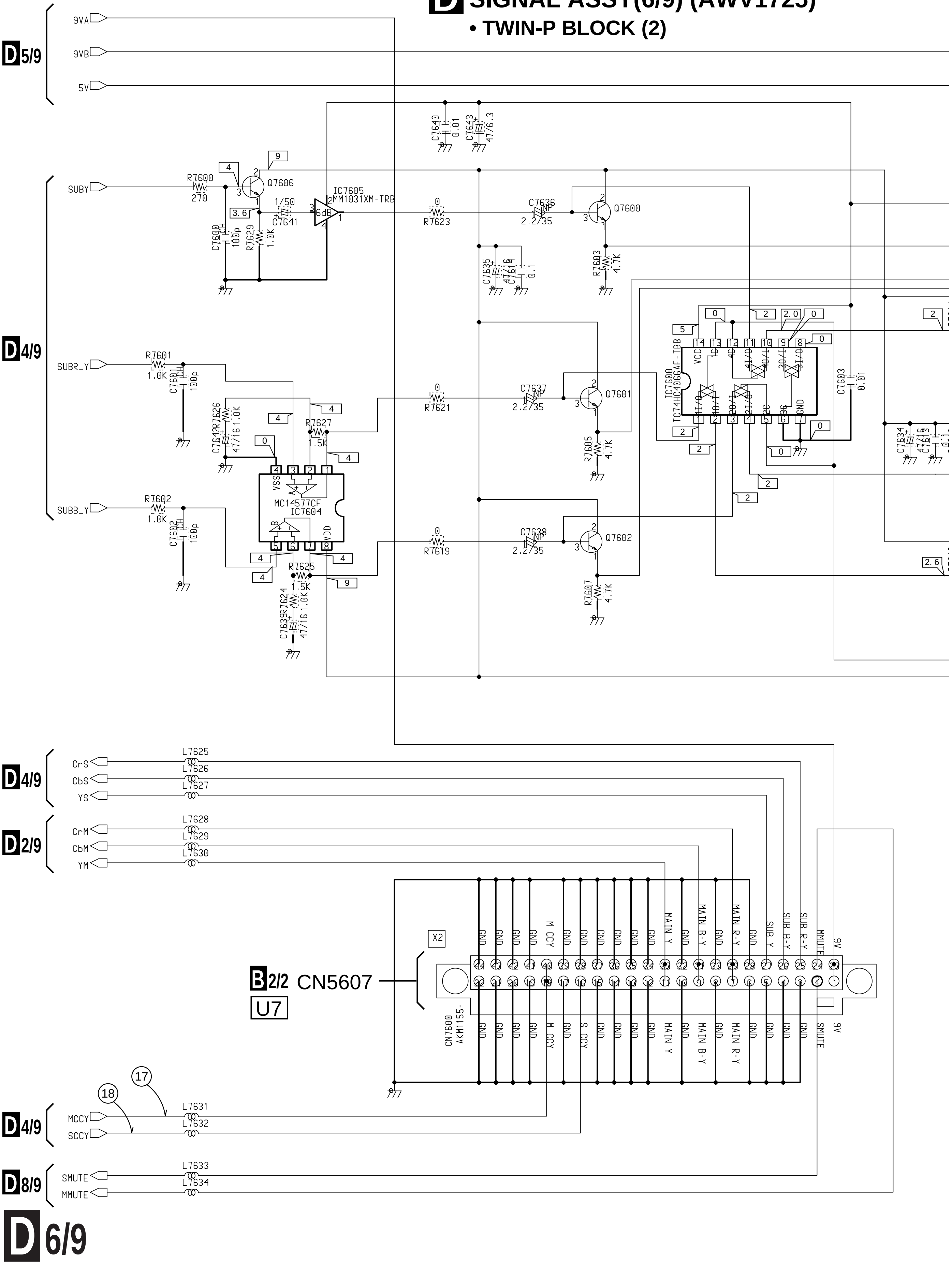
A
B
C
D

D 5/9

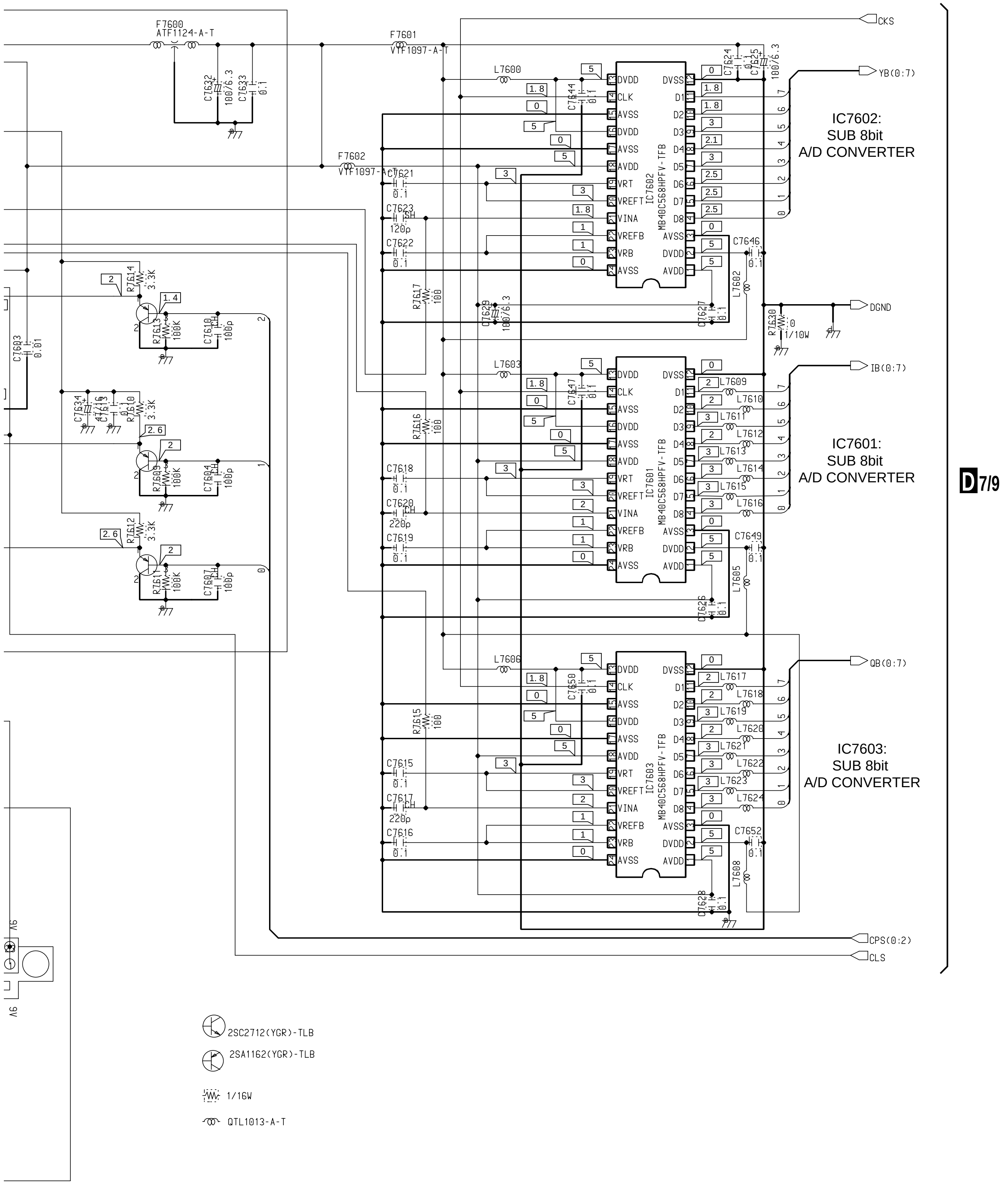
SIGNAL ASSY (6/9)

D SIGNAL ASSY(6/9) (AWV1725)

• TWIN-P BLOCK (2)


A
B
C
D
D 5/9
9VA
9VB
5V
D 4/9
SUBY
SUBR_Y
SUBB_Y
R7600
270
Q7606
IC7605
MM1031XM-TRB
6dB
1/50
C7641
3.6
C7600
100p
R7629
1.0K
R7623
0
C7636
2.2/35
NP
Q7600
C7640
0.01
C7643
47/6.3
C7635
47/16
C7614
0.1
R7603
4.7K
R7601
1.0K
C7601
100p
C7642
R7626
47/16
1.0K
R7627
1.5K
R7621
0
C7637
2.2/35
Q7601
R7605
4.7K
MC14577CF
IC7604
VSS
VDD
R7602
1.0K
C7602
100p
R7625
1.5K
R7624
1.0K
C7639
47/16
R7619
0
C7638
2.2/35
Q7602
R7607
4.7K
IC7600
TC74HC4066AF-TBB
VCC
GND
1C
4C
4I/O
4O/I
3O/I
3I/O
1I/O
1O/I
2O/I
2I/O
2C
3C
C7603
0.01
C7634
47/16
C7613
0.1
2.0
2.6
D 4/9
CrS
CbS
YS
L7625
L7626
L7627
D 2/9
CrM
CbM
YM
L7628
L7629
L7630
X2
B 2/2 CN5607
U7
CN7600
AKM1155-
GND
M CCY
MAIN Y
MAIN B-Y
MAIN R-Y
SUB Y
SUB B-Y
SUB R-Y
MMUTE
9V
S CCY
SMUTE
D 4/9
MCCY
SCCY
L7631
L7632
⑰
⑱
D 8/9
SMUTE
MMUTE
L7633
L7634

D 6/9

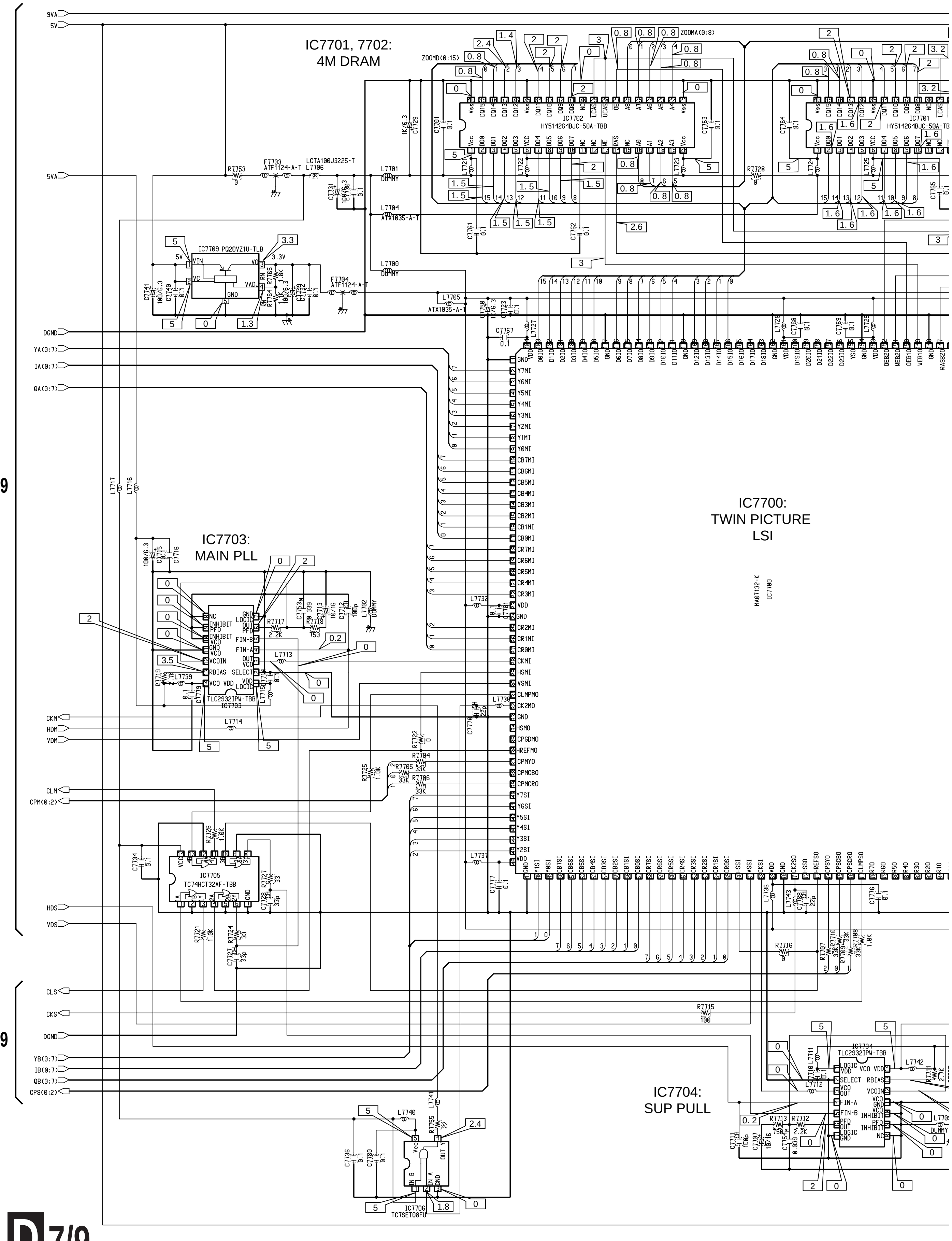

A
B
C
D
F7600
ATF1124-A-T
F7601
VTF1097-A-T
F7602
VTF1097-A-T
C7632 100/6.3
C7633 0.1
L7600
L7603
L7606
CKS
YB(0:7)
IB(0:7)
QB(0:7)
DGND
CPS(0:2)
CLS
IC7602 MB40C568HPFV-TFB
IC7601 MB40C568HPFV-TFB
IC7603 MB40C568HPFV-TFB
DVDD
CLK
AVSS
DVDD
AVSS
AVDD
VRT
VREFT
VINA
VREFB
VRB
AVSS
DVSS
D1
D2
D3
D4
D5
D6
D7
D8
AVSS
DVDD
AVDD
R7630 0 1/10W
R7614 3.3K
R7613 100K
C7610 CH 100p
R7610 3.3K
R7609 100K
C7604 CH 100p
R7612 3.3K
R7611 100K
C7607 CH 100p
C7603 0.01
C7634 47/16
C7613 0.1
C7621 0.1
C7623 SH 120p
C7622 0.1
R7617 100
R7616 100
R7615 100
C7629 100/6.3
C7627 0.1
C7626 0.1
C7628 0.1
C7624 0.1
C7625 100/6.3
C7644 0.1
C7647 0.1
C7650 0.1
C7646 0.1
C7649 0.1
C7652 0.1
L7602
L7605
L7608
C7618 0.1
C7620 CH 220p
C7619 0.1
C7615 0.1
C7617 CH 220p
C7616 0.1
L7609
L7610
L7611
L7612
L7613
L7614
L7615
L7616
L7617
L7618
L7619
L7620
L7621
L7622
L7623
L7624
9V
9V
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
QTL1013-A-T
D7/9

IC7602:
SUB 8bit
A/D CONVERTER

IC7601:
SUB 8bit
A/D CONVERTER

IC7603:
SUB 8bit
A/D CONVERTER

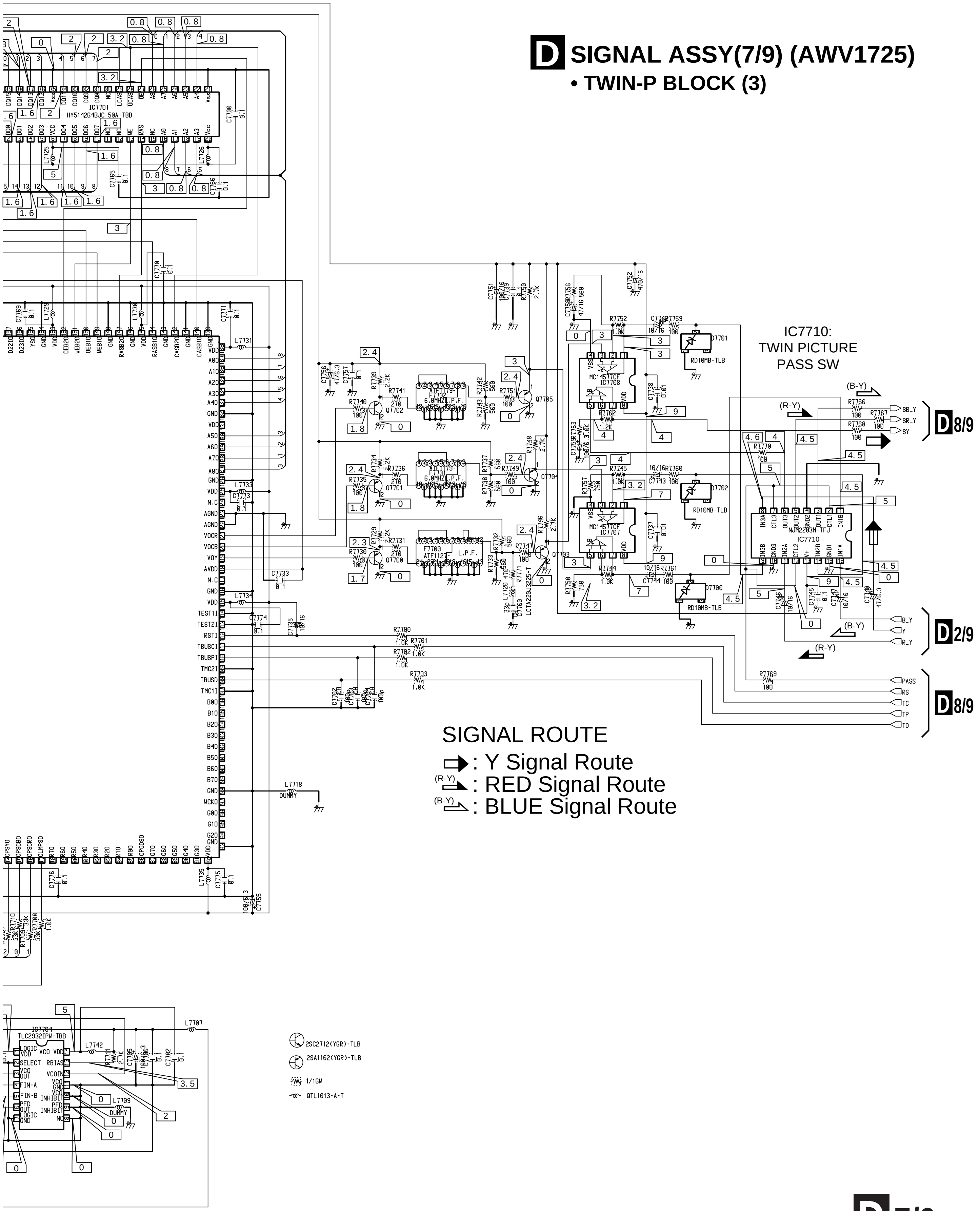
SIGNAL ASSY (7/9)


1
2
3
4
A
B
C
D
9VA
5V
5VA
DGND
YA(0:7)
IA(0:7)
QA(0:7)
CKM
HDM
VDM
CLM
CPM(0:2)
HDS
VDS
CLS
CKS
DGND
YB(0:7)
IB(0:7)
QB(0:7)
CPS(0:2)
D5/9
D6/9
IC7701, 7702:
4M DRAM
IC7702
HY514264BJC-50A-TBB
IC7701
HY514264BJC-50A-TB
ZOOMD(0:15)
ZOOMA(0:8)
IC7709 PQ20VZ1U-TLB
IC7700:
TWIN PICTURE
LSI
MA07132-K
IC7700
IC7703:
MAIN PLL
TLC2932IPW-TBB
IC7703
IC7705
TC74HCT32AF-TBB
IC7704:
SUP PULL
IC7704
TLC2932IPW-TBB
IC7706
TC7SET08FU

D 7/9

D SIGNAL ASSY(7/9) (AWV1725)

• TWIN-P BLOCK (3)


A
B
C
D
IC7701
HY514264BJC-50A-TBB
IC7710:
TWIN PICTURE
PASS SW
NJM2283M-TFJ
IC7710
MC14577CF
IC7708
MC14577CF
IC7707
IC7704
TLC2932IPW-TBB
Q7700
Q7701
Q7702
Q7703
Q7704
Q7705
F7700
ATF1127
L.P.F.
F7701
ATF1179
6.0MHZ L.P.F.
F7702
ATF1179
6.0MHZ L.P.F.
D7700
D7701
D7702
RD10MB-TLB
L7720
LCTA220J3225-T
L7718
DUMMY
L7709
DUMMY
L7707
SB_Y
SR_Y
SY
D8/9
B_Y
Y
R_Y
D2/9
PASS
RS
TC
TP
TD
D8/9
(B-Y)
(R-Y)
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
QTL1013-A-T

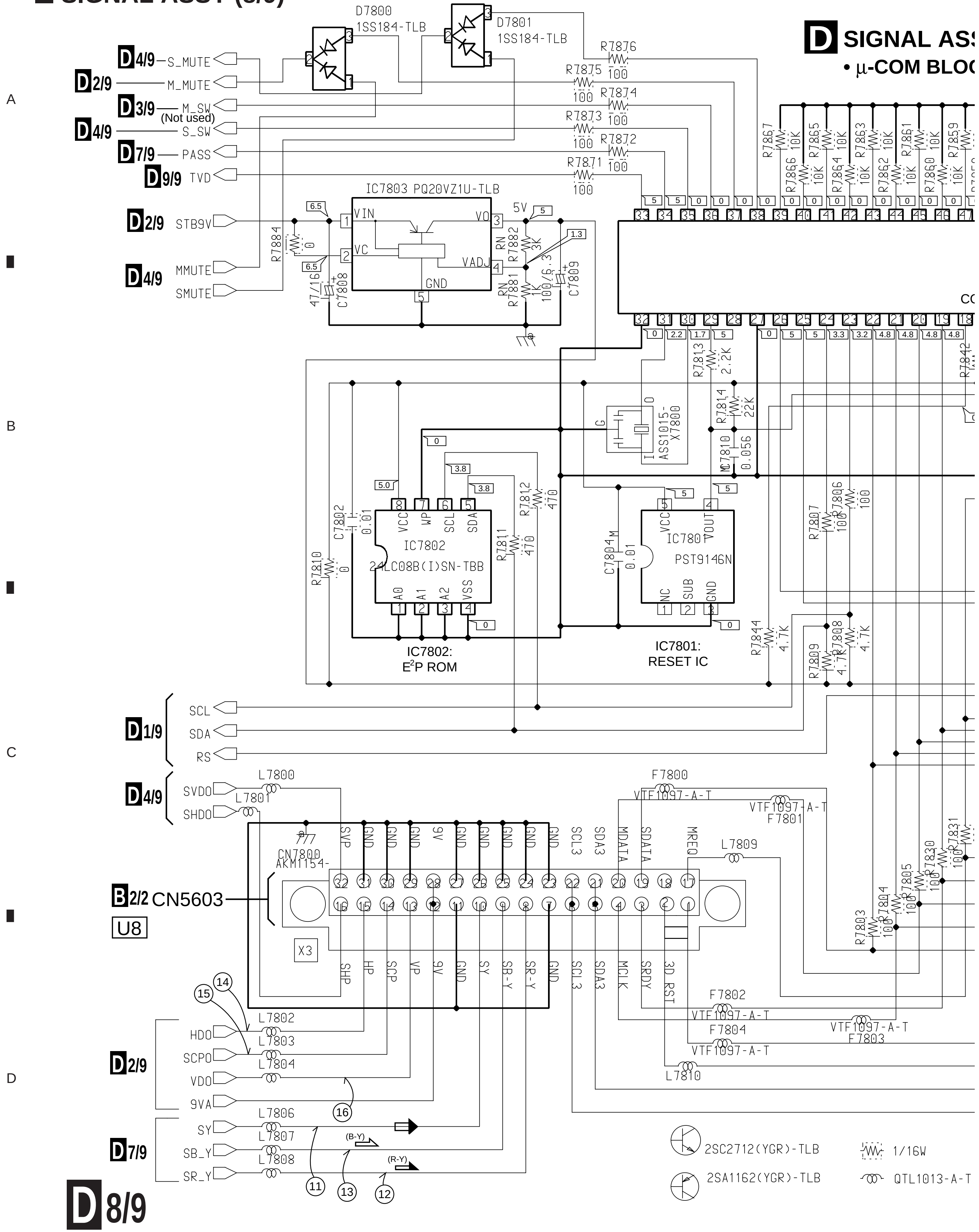
SIGNAL ROUTE

➡ : Y Signal Route

(R-Y) ◢ : RED Signal Route

(B-Y) ◿ : BLUE Signal Route

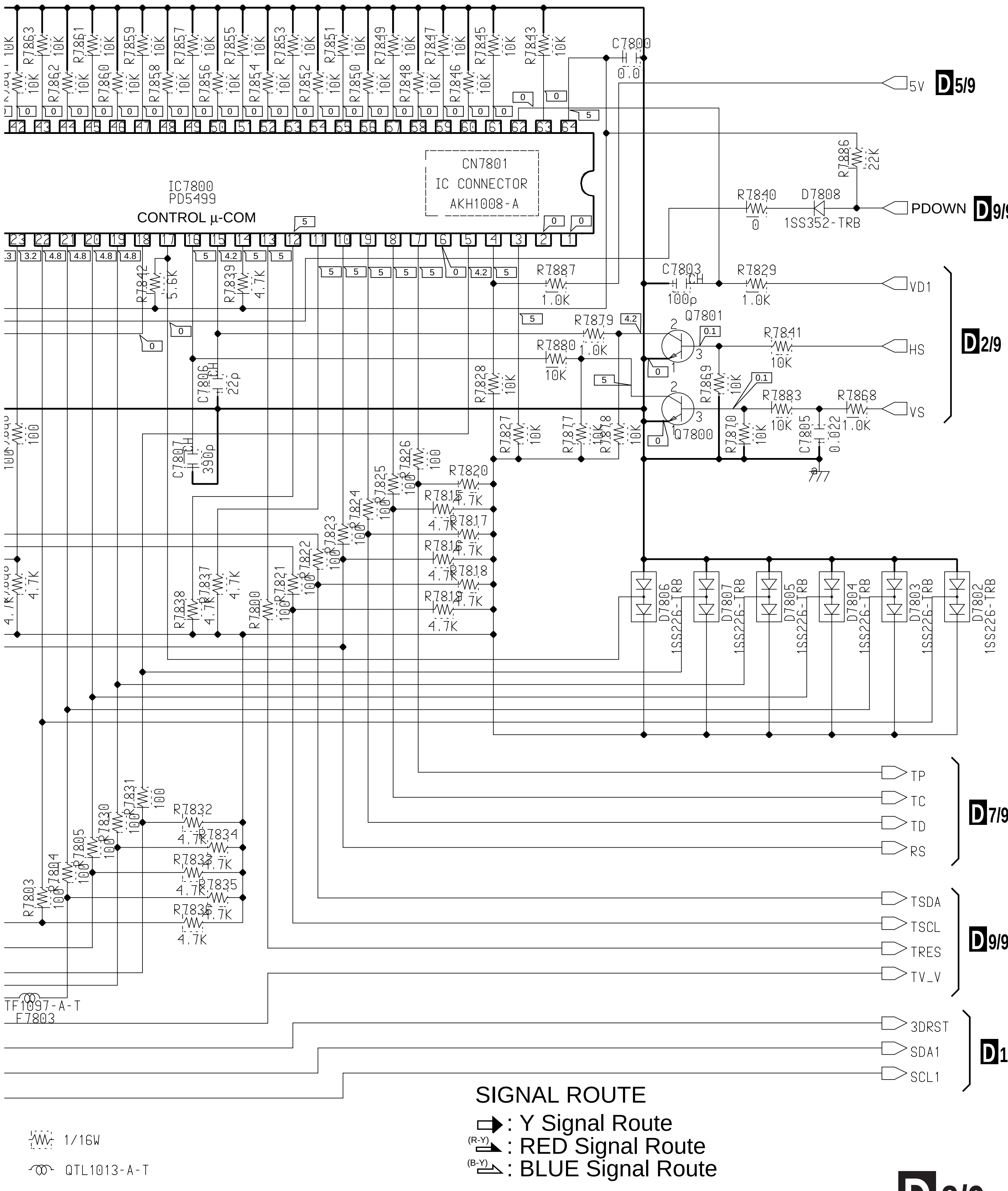
■ SIGNAL ASSY (8/9)


D SIGNAL ASS
• μ-COM BLOC
D4/9 S_MUTE
D2/9 M_MUTE
D3/9 M_SW (Not used)
D4/9 S_SW
D7/9 PASS
D9/9 TVD
D2/9 STB9V
D4/9 MMUTE SMUTE
D7800 1SS184-TLB
D7801 1SS184-TLB
R7876 100
R7875 100
R7874 100
R7873 100
R7872 100
R7871 100
R7867 R7866 R7865 R7864 R7863 R7862 R7861 R7860 R7859 10K
IC7803 PQ20VZ1U-TLB
VIN VO VC VADJ GND
5V
R7884 0
C7808 47/16
R7882 3K
R7881 1K
C7809 100/6.3
6.5 6.5 1.3 5
X7800 ASS1015-
R7813 2.2K
R7814 22K
C7810 0.056
R7842
C7802 0.01
R7810 0
R7812 470
R7811 470
IC7802 24LC08B(I)SN-TBB
VCC WP SCL SDA A0 A1 A2 VSS
IC7802: E²P ROM
C7804 0.01
IC7801 PST9146N
VCC VOUT NC SUB GND
IC7801: RESET IC
R7807 R7806 100
R7844 4.7K
R7809 R7808 4.7K
D1/9 SCL SDA RS
D4/9 SVDO SHDO
L7800 L7801
F7800 VTF1097-A-T
VTF1097-A-T F7801
CN7800 AKM1154-
SVP GND GND GND 9V GND GND GND GND GND SCL3 SDA3 MDATA SDATA MREQ
SHP HP SCP VP 9V GND SY SB-Y SR-Y GND SCL3 SDA3 MCLK SRDY 3D RST
B2/2 CN5603
U8
X3
L7809
R7803 R7804 R7805 R7830 R7831 100
F7802 VTF1097-A-T
F7804 VTF1097-A-T
VTF1097-A-T F7803
L7810
D2/9 HDO SCPO VDO 9VA
L7802 L7803 L7804
D7/9 SY SB_Y SR_Y
L7806 L7807 L7808
(B-Y) (R-Y)
⑪ ⑫ ⑬ ⑭ ⑮ ⑯
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
QTL1013-A-T
1 2 3 4
A B C D

D 8/9

SIGNAL ASSY(8/9) (AWV1725)

• µ-COM BLOCK

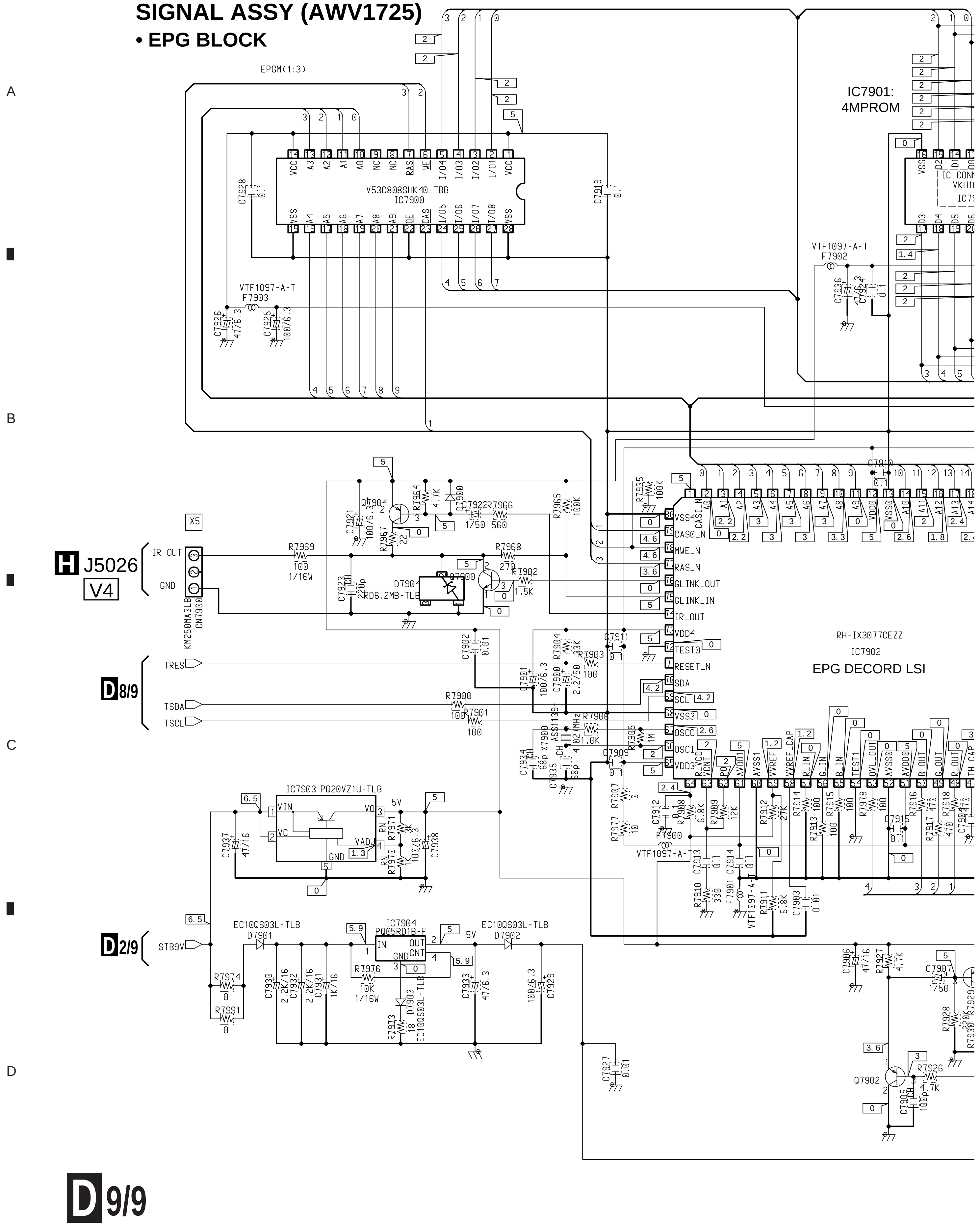

IC7800
PD5499
CONTROL µ-COM
CN7801
IC CONNECTOR
AKH1008-A
C7800
0.0
5V
D5/9
R7886
22K
R7840
0
D7808
1SS352-TRB
PDOWN
D9/9
R7887
1.0K
C7803
CH
100p
R7829
1.0K
VD1
Q7801
R7879
1.0K
R7880
10K
R7841
10K
HS
D2/9
R7869
10K
Q7800
R7883
10K
R7868
1.0K
VS
R7870
10K
C7805
0.022
R7842
5.6K
R7839
4.7K
C7806
CH
22p
C7807
CH
390p
R7828
10K
R7827
10K
R7877
10K
R7878
10K
R7826
100
R7825
100
R7824
100
R7823
100
R7822
100
R7821
100
R7820
4.7K
R7815
4.7K
R7817
4.7K
R7816
4.7K
R7818
4.7K
R7819
4.7K
R7838
4.7K
R7837
4.7K
R7800
D7806
D7807
D7805
D7804
D7803
D7802
1SS226-TRB
TP
TC
TD
RS
D7/9
TSDA
TSCL
TRES
TV_V
D9/9
3DRST
SDA1
SCL1
D1/9
R7831
100
R7830
100
R7805
100
R7804
100
R7803
R7832
4.7K
R7834
4.7K
R7833
4.7K
R7835
4.7K
R7836
4.7K
TF1097-A-T
F7803
1/16W
QTL1013-A-T
SIGNAL ROUTE
: Y Signal Route
(R-Y)
: RED Signal Route
(B-Y)
: BLUE Signal Route

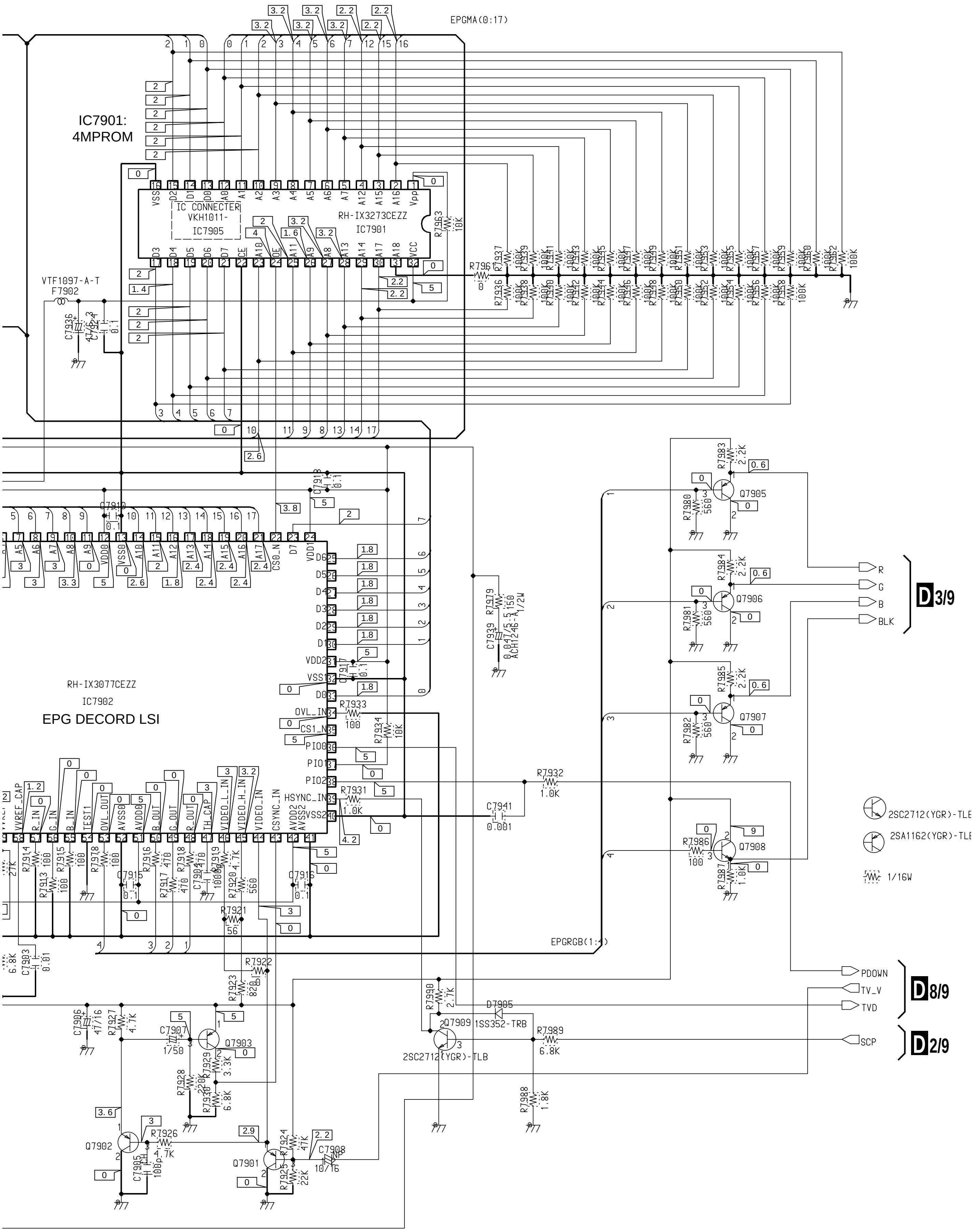
D 8/9

SIGNAL ASSY (9/9)

SIGNAL ASSY (AWV1725)

• EPG BLOCK


EPGMD(0:7)
EPGM(1:3)
IC7901:
4MPROM
IC CONN
VKH1
V53C808SHK40-TBB
IC7900
VCC
A3
A2
A1
A0
NC
RAS
WE
I/O4
I/O3
I/O2
I/O1
VSS
A4
A5
A6
A7
A8
A9
OE
CAS
I/O5
I/O6
I/O7
I/O8
C7928
0.1
C7919
0.1
VTF1097-A-T
F7903
C7926
47/6.3
C7925
100/6.3
VTF1097-A-T
F7902
C7936
47/6.3
C7924
0.1
C7910
0.1
R7935
100K
Q7904
R7964
4.7K
D7900
C7922
1/50
R7966
560
C7921
100/6.3
R7967
22
R7965
100K
X5
J5026
V4
IR OUT
GND
KM250MA3LB
CN7900
R7969
100
1/16W
C7923
220p
D7904
RD6.2MB-TLB
Q7900
R7968
270
R7902
1.5K
VSS4
CAS0_N
MWE_N
RAS_N
GLINK_OUT
GLINK_IN
IR_OUT
VDD4
TEST0
RESET_N
SDA
SCL
VSS3
OSCO
OSCI
VDD3
CAS1_N
VDD0
VSS0
RH-IX3077CEZZ
IC7902
EPG DECORD LSI
C7902
0.01
R7904
33K
C7911
0.1
R7903
100
C7901
100/6.3
C7900
2.2/50
D8/9
TRES
TSDA
TSCL
R7900
100
R7901
100
ASS1139
X7900
27MHz
R7906
1.0K
R7905
1M
C7909
0.1
C7934
68p
C7935
68p
R_VCO
VCNT
PD
AVDD1
AVSS1
VVREF
VVREF_CAP
R_IN
G_IN
B_IN
TEST1
OVL_OUT
AVSS0
AVDD0
B_OUT
G_OUT
TH_CAP
R7907
0
R7917
10
C7912
0.1
R7908
6.8K
R7909
12K
R7912
27K
R7914
100
R7913
100
R7915
100
R7978
100
C7915
0.1
R7916
470
R7917
470
R7918
470
C7904
F7900
VTF1097-A-T
C7913
0.1
R7910
330
C7914
0.1
F7901
VTF1097-A-T
R7911
6.8K
C7903
0.01
IC7903 PQ20VZ1U-TLB
VIN
VC
VO
VADJ
GND
5V
R7971
3K
R7970
1K
C7938
100/6.3
C7937
47/16
D2/9
STB9V
EC10QS03L-TLB
D7901
IC7904
PQ05RD1B-F
IN
OUT
CNT
GND
EC10QS03L-TLB
D7902
R7974
0
R7991
0
C7930
2.2K/16
C7932
2.2K/16
C7931
1K/16
R7976
10K
1/16W
D7903
EC10QS03L-TLB
R7973
18
C7933
47/6.3
C7929
100/6.3
C7927
0.01
C7906
47/16
R7927
4.7K
C7907
1/50
R7928
220
R7929
R7930
Q7902
R7926
4.7K
C7905
100p
A
B
C
D
1
2
3
4
D9/9

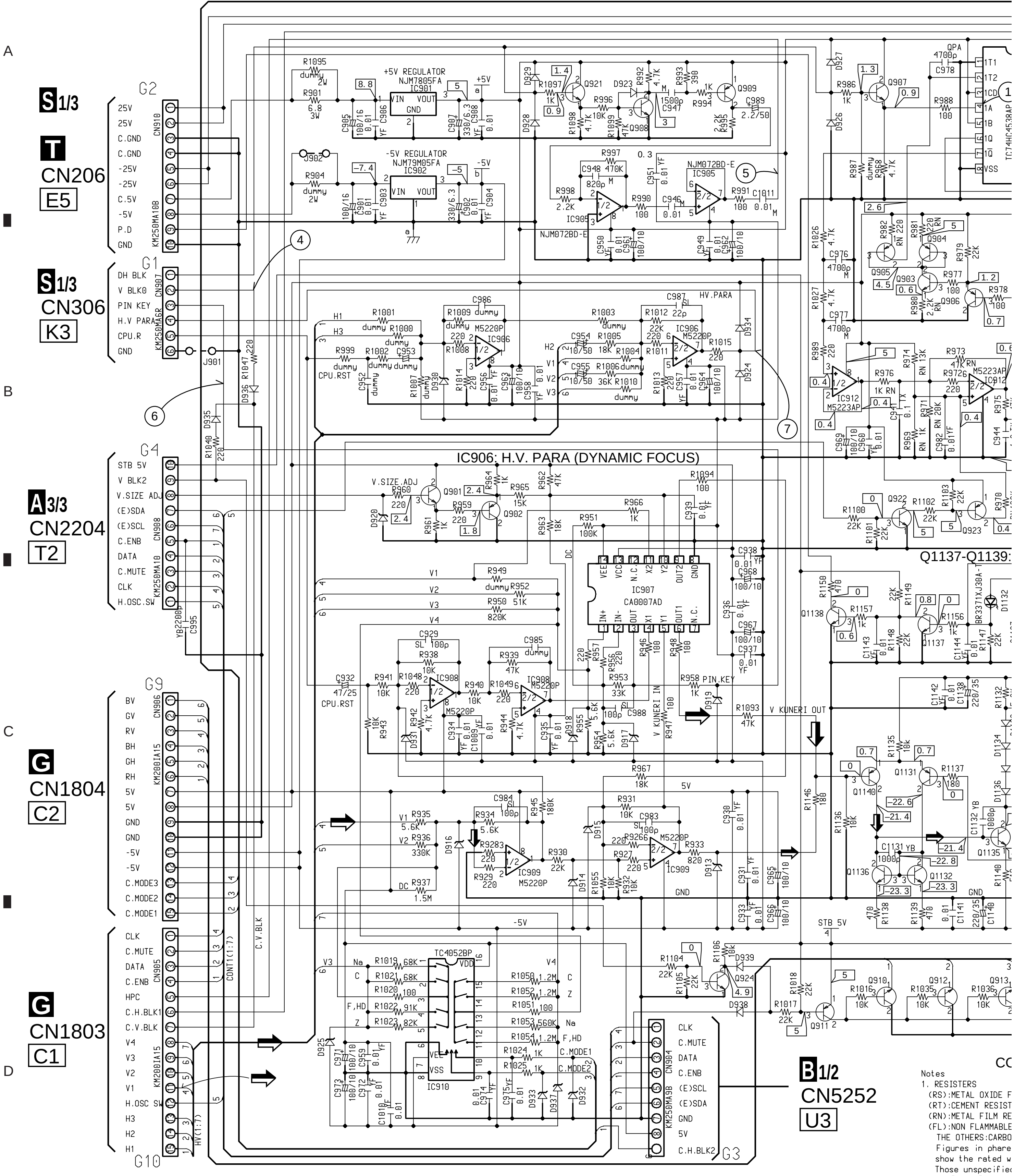

EPGMA(0:17)
IC7901:
4MPROM
IC CONNECTER
VKH1011-
IC7905
RH-IX3273CEZZ
IC7901
VSS D2 D1 D0 A0 A1 A2 A3 A4 A5 A6 A7 A12 A15 A16 Vpp
D3 D4 D5 D6 D7 CE A10 OE A11 A9 A8 A13 A14 A17 A18 VCC
R7963 10K
R7961 0
R7936 ~ R7962 100K
VTF1097-A-T
F7902
C7936 47/6.3
C7937 0.1
C7918 0.1
C7910 0.1
RH-IX3077CEZZ
IC7902
EPG DECORD LSI
A5 A6 A7 A8 A9 VDD0 VSS0 A10 A11 A12 A13 A14 A15 A16 A17 CS0_N D7 VDD1
D6 D5 D4 D3 D2 D1 VDD2 VSS1 D0 OVL_IN CS1_N PIO0 PIO1 PIO2 HSYNC_IN AVSS2
VVREF_CAP R_IN G_IN B_IN TEST1 OVL_OUT AVSS0 AVDD0 B_OUT G_OUT R_OUT TH_CAP VIDEO_L_IN VIDEO_H_IN VIDEO_IN CSYNC_IN AVDD2
R7933 100
R7934 10K
R7931 1.0K
R7979 150 ACH1246-A 1/2W
C7939 0.047/25
R7932 1.0K
C7941 0.001
R7913 100
R7914 27K
R7915 100
R7978 100
R7916 100
R7917 470
R7918 470
R7919 4.7K
C7904 100/6
R7920 560
C7915 0.1
C7916 0.1
R7921 56
C7903 0.01
6.8K
EPGRGB(1:4)
R7922 0
R7923 820
C7906 47/16
R7927 4.7K
C7907 1/50
Q7903
R7929 3.3K
R7928 220
R7930 6.8K
Q7902
R7926 4.7K
C7905 100p
Q7901
R7924 47K
R7925 22K
C7908 10/16
R7990 2.7K
D7905
1SS352-TRB
Q7909
2SC2712(YGR)-TLB
R7989 6.8K
R7988 1.8K
R7983 2.2K
Q7905
R7980 560
R7984 2.2K
Q7906
R7981 560
R7985 2.2K
Q7907
R7982 560
R7986 100
Q7908
R7987 1.0K
R
G
B
BLK
D3/9
PDOWN
TV_V
TVD
D8/9
SCP
D2/9
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1/16W
A
B
C
D

D 9/9

■ AMP ASSY (1/3)

E AMP ASSY(1/3) (AWV1712) • CONVERGENCE/V.DEF BLOCK

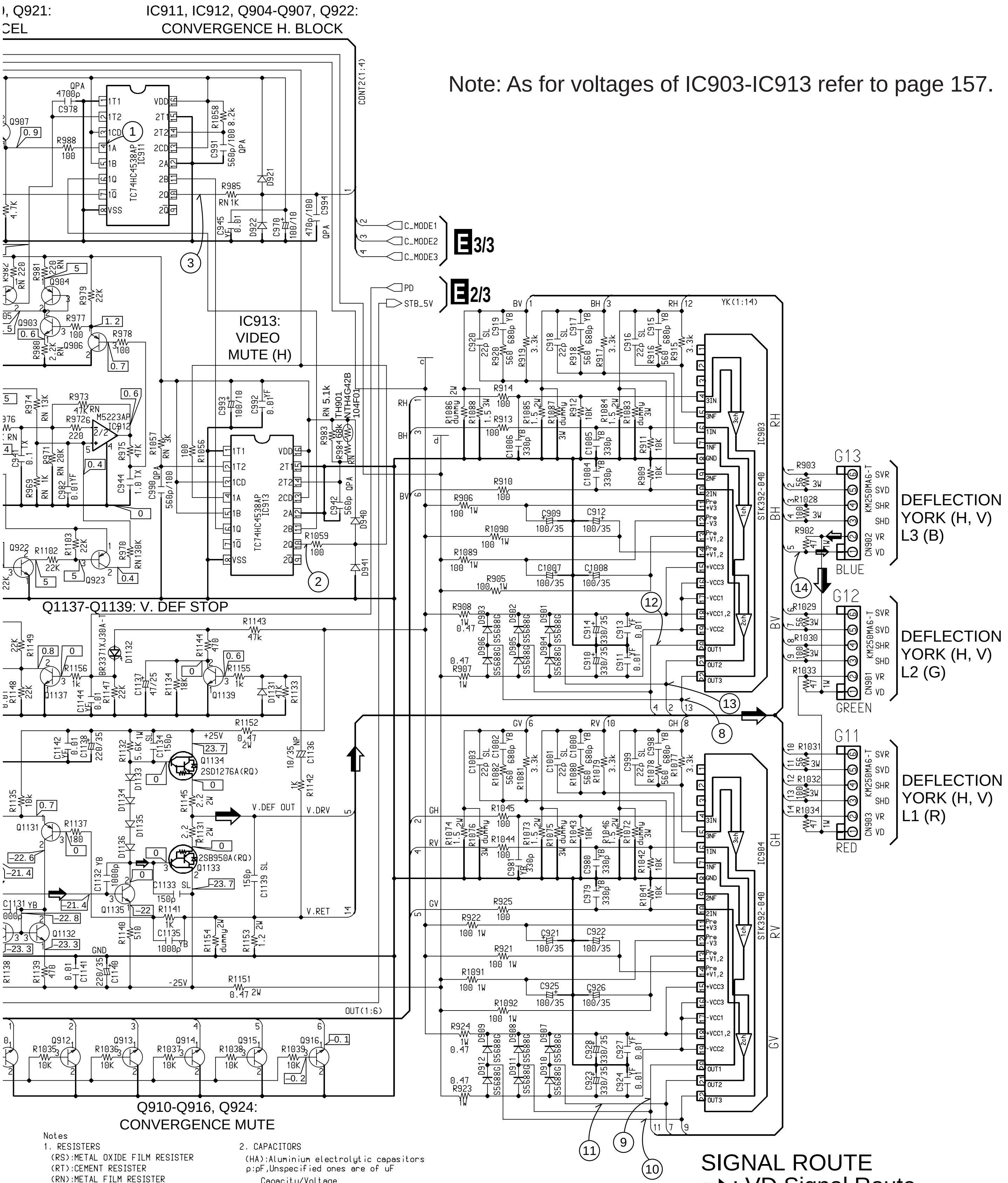
IC905, Q908, Q909, Q921:
H PULSE CANCEL


A
B
C
D
S 1/3
T
CN206
E5
S 1/3
CN306
K3
A 3/3
CN2204
T2
G
CN1804
C2
G
CN1803
C1
B 1/2
CN5252
U3
G2
CN910
KM250MA10B
25V
25V
C.GND
C.GND
-25V
-25V
C.5V
-5V
P.D
GND
G1
CN907
KM250MA6R
DH BLK
V BLK0
PIN KEY
H.V PARA
CPU.R
GND
J901
G4
CN908
KM250MA10
STB 5V
V BLK2
V.SIZE ADJ
(E)SDA
(E)SCL
C.ENB
DATA
C.MUTE
CLK
H.OSC.SW
G9
CN906
KM200IA15
BV
GV
RV
BH
GH
RH
5V
5V
GND
GND
-5V
-5V
C.MODE3
C.MODE2
C.MODE1
CN905
KM200IA15
CLK
C.MUTE
DATA
C.ENB
HPC
C.H.BLK1
C.V.BLK
V4
V3
V2
V1
H.OSC SW
H3
H2
H1
G10
HV(1:7)
CONT1(1:7)
C.V.BLK
G3
CN904
KM250MA9B
CLK
C.MUTE
DATA
C.ENB
(E)SCL
(E)SDA
GND
5V
C.H.BLK2
+5V REGULATOR
NJM7805FA
IC901
VIN VOUT
GND
-5V REGULATOR
NJM79M05FA
IC902
VIN VOUT
8.8
5
+5V
-7.4
-5
-5V
R1095 dummy 2W
R901 6.8 3W
J902
R904 dummy 2W
C905
C906
C907 330/6.3
C908 0.01
C901
C903
C902
C904
Q921
Q908
Q909
D929
D928
D923
R1097 1K
R1098 4.7K
R996 10K
R1099 47K
R992 4.7K
R993 390
R994 1K
R995 2.2K
C947 1500p
C989 2.2/50
1.4
0.9
3
R997 470K
C948 820p
R998 2.2K
IC905
NJM072BD-E
R990 100
C946 0.01
C951 0.01
R991 100
C1011 0.01
C950
C961 100/10
C949
C962 100/10
0.3
4
5
6
7
H.V PARA
R1001 dummy
R1000 dummy
R1009 dummy
C986 dummy
R1008 220
IC906 M5220P
R999 dummy
R1002 dummy
C953 dummy
CPU.RST
C952 dummy
R1007 dummy
D930
R1014 220
C956 0.01
C963 100/10
C958 0.01
R1003 dummy
R1012 22K
C987 22p
C954 10/50
R1005 18K
R1004 220
R1011
C955 10/50
R1006 dummy
R1010 dummy
R1013 220
C957 0.01
C964 100/10
R1015 220
D934
D924
H1
H2
H3
V1
V2
V3
R1047 220
D936
D935
R1040 220
IC906: H.V. PARA (DYNAMIC FOCUS)
V.SIZE.ADJ
R960 220
Q901
2.4
R964 1K
R965 15K
R962 47K
Q902
R959 220
1.8
D920
R961 1K
R963 18K
R951 100K
R966 1K
R1094 100
C939 0.01
IC907
CA0007AD
VEE VCC N.C. X2 Y2 OUT2 GND
IN+ IN- OUT X1 Y1 OUT1 N.C.
C938 0.01
C968 100/10
C936 0.01
C967 100/10
C937 0.01
DC
R949 dummy
R952 dummy
R950 51K
820K
C995
C929 100p
R938 10K
C985 dummy
R939 47K
C932 47/25
R941 10K
R1048 220
IC908 M5220P
R940 10K
R1049 220
R943 10K
R942 4.7K
D931
C934
C1009
R944 4.7K
C935
D918
R955 5.6K
R957 220
R956 220
R953 33K
R946 100
R948 100
C988 100p
R954 5.6K
D917
R947 100
V KUNERI IN
R958 1K
PIN.KEY
D919
R1093 47K
V KUNERI OUT
R967 18K
5V
C984 100p
R945 180K
R935 5.6K
R936 330K
R934 5.6K
D916
R9283 220
R929 220
IC909 M5220P
R930 22K
D914
D915
R931 10K
C983 100p
R9266 220
R927 220
R933 820
D913
C930 0.01
R1055 10K
R932 10K
C931 0.01
C965 100/10
C933 0.01
C966 100/10
GND
R937 1.5M
-5V
TC4052BP
VDD
VEE
VSS
IC910
R1019 68K
R1021 68K
R1020 100
R1022 91K
R1023 82K
Na
C
F,HD
Z
R1050 1.2M
R1052 1.2M
R1051 100
R1053 560K
R1054 1.2M
R1024 1K
R1025 1K
C.MODE1
C.MODE2
D925
C971 100/10
C959 0.01
C973 100/10
C972 0.01
C1010 0.01
C974 0.01
C975 0.01
D933
D937
D932
STB 5V
R1104 22K
R1105 22K
R1106 10K
D939
Q924
4.9
D938
R1018 22K
R1017 22K
Q911
R1016 10K
Q910
R1035 10K
Q912
R1036 10K
Q913
D927
D926
R986 1K
Q907
1.3
0.9
QPA 4700p
C978
R988 100
TC74HC4538AP
1T1 1T2 1CD 1A 1B 1Q 1Q VSS
R987
R985 dummy
4.7K
2.6
R1026 4.7K
C976 4700p
R982 RN 220
R981 220 RN
Q904
Q905
4.5
Q903
0.6
R979 22K
R977 100
R980 2.2K
Q906
1.2
R978 100
0.7
R1027 4.7K
C977 4700p
R989 220
R974 13K
R973
R976 1K RN
R972 220
IC912 M5223AP
0.4
C941 0.1
R971 20K
R969 1K
C982 0.01
C944
C969 100/10
C960 0.01
R1100 22K
R1101 22K
Q922
R1102 22K
R1103 22K
Q923
R970
Q1137-Q1139:
R1150 470
R1157 1K
Q1138
R1149 22K
0.8
R1156 1K
Q1137
BR3371XJ30A-T
D1132
C1143 0.01
R1148 22K
C1144 0.01
R1147 22K
C1142 0.01
C1138 220/35
R1132
D1134
R1135 10K
Q1131
R1137 180
Q1140
-22.6
-21.4
D1136
R1146 180
R1136 10K
C1131 1000p
C1132 1000p
Q1135
-21.4
-22.8
Q1136
Q1132
-23.3
R1140
R1138 470
R1139 470
C1141 0.01
C1140 220/35
GND

E 1/3

Notes
1. RESISTERS
(RS):METAL OXIDE F
(RT):CEMENT RESIST
(RN):METAL FILM RE
(FL):NON FLAMMABLE
THE OTHERS:CARBO
Figures in phare
show the rated w
Those unspecified
K:KΩ ,M:MΩ ,Unspe

Note: As for voltages of IC903-IC913 refer to page 157.


, Q921:
CEL
IC911, IC912, Q904-Q907, Q922:
CONVERGENCE H. BLOCK
IC913:
VIDEO
MUTE (H)
Q1137-Q1139: V. DEF STOP
Q910-Q916, Q924:
CONVERGENCE MUTE
TC74HC4538AP IC911
TC74HC4538AP IC913
M5223AP IC912
STK392-040 IC903
STK392-040 IC904
C_MODE1
C_MODE2
C_MODE3
E 3/3
PD
STB_5V
E 2/3
CONT2(1:4)
YK(1:14)
OUT(1:6)
V.DEF OUT
V.DRV
V.RET
+25V
-25V
GND
2SD1276A(RQ) Q1134
2SB950A(RQ) Q1133
BR3371XJ30A-T D1132
TH901 NTH4G42B 104F01
DEFLECTION YORK (H, V) L3 (B)
DEFLECTION YORK (H, V) L2 (G)
DEFLECTION YORK (H, V) L1 (R)
G13 KM250MA6-T CN902 BLUE
G12 KM250MA6-T CN901 GREEN
G11 KM250MA6-T CN903 RED
SVR
SVD
SHR
SHD
VR
VD
BH
BV
RH
GH
GV
RV
① ② ③ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭

SIGNAL ROUTE
⇨: VD Signal Route

Notes
1. RESISTERS
(RS):METAL OXIDE FILM RESISTER
(RT):CEMENT RESISTER
(RN):METAL FILM RESISTER
(FL):NON FLAMMABLE RESISTER
THE OTHERS:CARBONFILM RESISTER (1/4 W)
Figures in pharenttheses
show the rated wattage.
Those unspecified ones are of 1/4W.
K:kΩ ,M:MΩ ,Unspecified ones are of.Ω

2. CAPACITORS
(HA):Aluminium electrolytic capasitors
p:pF,Unspecified ones are of uF
Capacity/Voltage
Unspecified ones are of 50V

: 2SA933S(RS)　: 2SC1740S(RS)

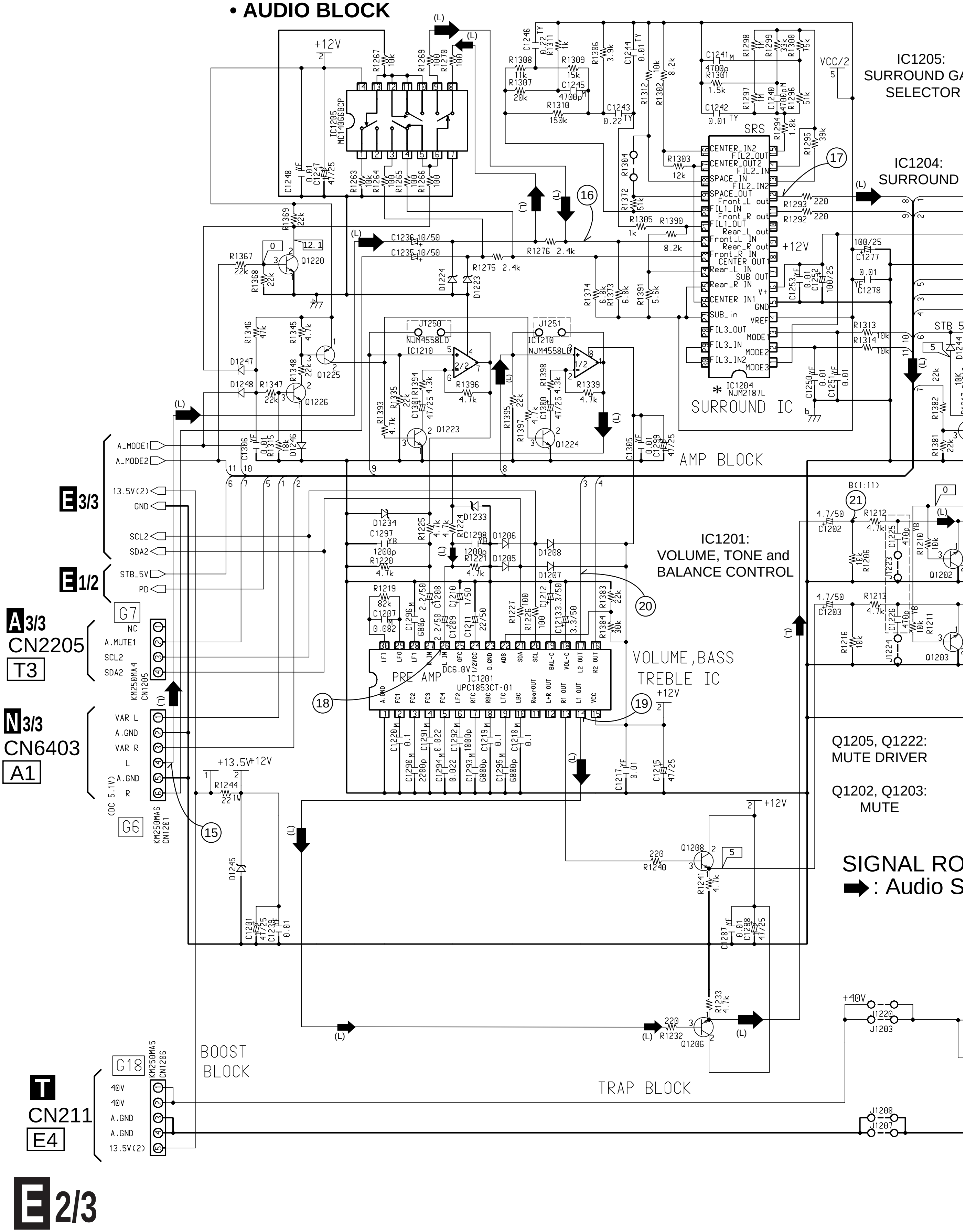
: 1SS254　: RD12ESB

E 1/3

■ AMP ASSY (2/3)

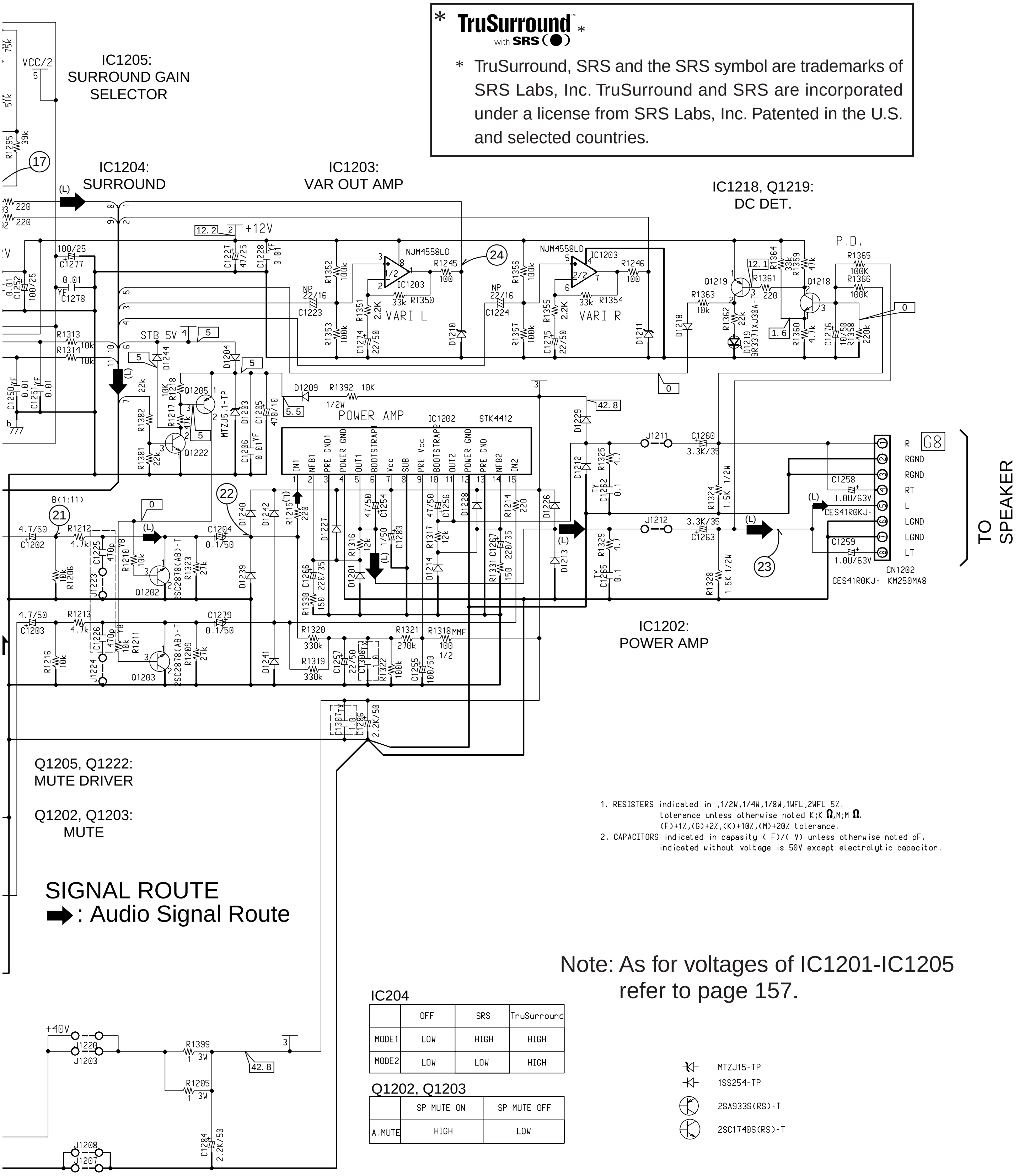
E AMP ASSY(2/3) (AWV1712)

• AUDIO BLOCK


A
B
C
D
IC1205: SURROUND GA
SELECTOR
IC1204: SURROUND
IC1205 MC14066BCP
+12V
VCC/2
SRS
IC1204 NJM2187L
SURROUND IC
CENTER_IN2
FIL2_OUT
CENTER_OUT2
FIL2_IN
SPACE_IN
FIL2_IN2
SPACE_OUT
Front_L out
FIL1_IN
Front_R out
FIL1_OUT
Rear_L out
Front_L IN
Rear_R out
Front_R IN
CENTER OUT
Rear_L IN
SUB OUT
Rear_R IN
V+
CENTER IN1
GND
SUB_in
VREF
FIL3_OUT
MODE
FIL3_IN
MODE2
FIL3_IN2
MODE3
Q1220
Q1225
Q1226
Q1223
Q1224
IC1210 NJM4558LD
J1250
J1251
AMP BLOCK
IC1201: VOLUME, TONE and BALANCE CONTROL
VOLUME,BASS TREBLE IC
PRE AMP
IC1201 UPC1853CT-01
DC6.0V
Q1205, Q1222: MUTE DRIVER
Q1202, Q1203: MUTE
Q1202
Q1203
Q1208
Q1206
SIGNAL RO
: Audio S
E 3/3
A_MODE1
A_MODE2
13.5V(2)
GND
SCL2
SDA2
E 1/2
STB_5V
PD
G7
A 3/3
CN2205
T3
NC
A.MUTE1
SCL2
SDA2
KM250MA4 CN1205
N 3/3
CN6403
A1
VAR L
A.GND
VAR R
L
A.GND
R
(DC 5.1V)
KM250MA6 CN1201
G6
+13.5V
+12V
BOOST BLOCK
TRAP BLOCK
G18
KM250MA5 CN1206
T
CN211
E4
40V
40V
A.GND
A.GND
13.5V(2)
+40V
J1220
J1203
J1208
J1207
E 2/3
15
16
17
18
19
20
21
(L)

* **TruSurround**™ *
with SRS(●)

* TruSurround, SRS and the SRS symbol are trademarks of SRS Labs, Inc. TruSurround and SRS are incorporated under a license from SRS Labs, Inc. Patented in the U.S. and selected countries.


IC1205:
SURROUND GAIN SELECTOR
VCC/2
IC1204:
SURROUND
IC1203:
VAR OUT AMP
IC1218, Q1219:
DC DET.
P.D.
NJM4558LD
VARI L
VARI R
+12V
STB 5V
POWER AMP
IC1202
STK4412
IN1
NFB1
PRE GND1
POWER GND
OUT1
BOOTSTRAP1
Vcc
SUB
PRE Vcc
BOOTSTRAP2
OUT2
POWER GND
PRE GND
NFB2
IN2
J1211
J1212
CN1202
CES41R0KJ- KM250MA8
R
RGND
RGND
RT
L
LGND
LGND
LT
G8
TO SPEAKER
IC1202:
POWER AMP
Q1205, Q1222:
MUTE DRIVER
Q1202, Q1203:
MUTE
Q1202
Q1203
Q1205
Q1222
Q1218
Q1219
2SC2878(AB)-T
MTZJ5.1-TP
BR3371XJ30A-T
+40V
J1220
J1203
J1208
J1207
R1399
R1205
C1284
42.8
12.2
12.1
1.6
5.5
17
21
22
23
24
(L)

1. RESISTERS indicated in ,1/2W,1/4W,1/8W,1WFL,2WFL 5%.
tolerance unless otherwise noted K;K Ω,M;M Ω.
(F)+1%,(G)+2%,(K)+10%,(M)+20% tolerance.
2. CAPACITORS indicated in capasity (F)/(V) unless otherwise noted pF.
indicated without voltage is 50V except electrolytic capacitor.

SIGNAL ROUTE
➡: Audio Signal Route

Note: As for voltages of IC1201-IC1205 refer to page 157.

IC204

	OFF	SRS	TruSurround
MODE1	LOW	HIGH	HIGH
MODE2	LOW	LOW	HIGH

Q1202, Q1203

	SP MUTE ON	SP MUTE OFF
A.MUTE	HIGH	LOW

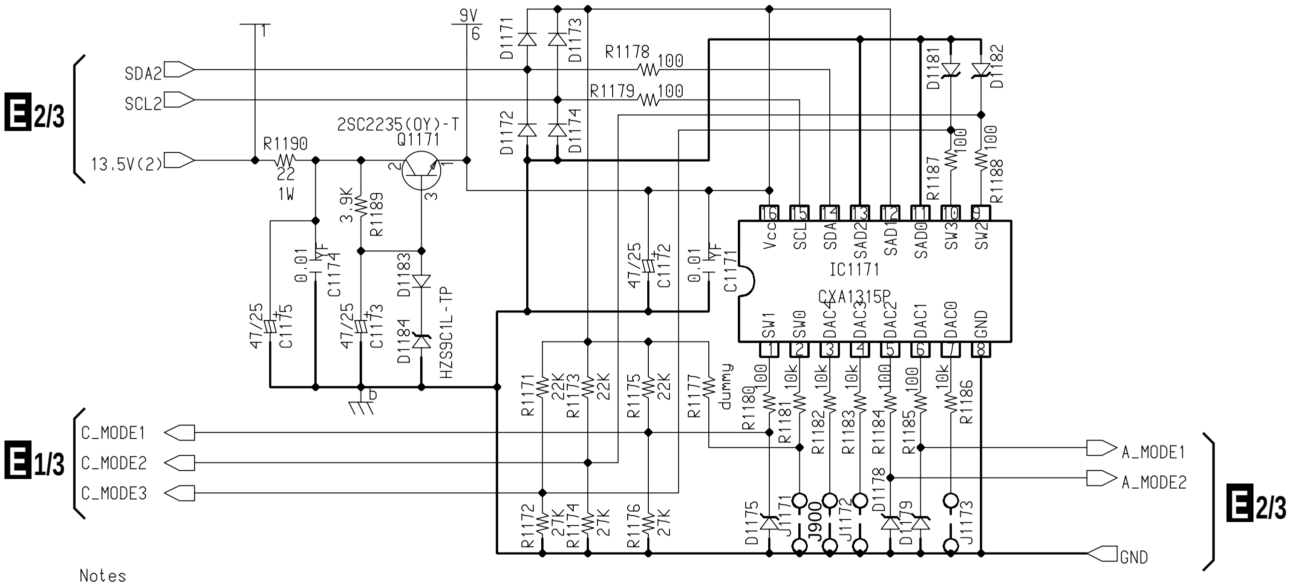
MTZJ15-TP
1SS254-TP
2SA933S(RS)-T
2SC1740S(RS)-T

■ AMP ASSY (3/3)

A

E AMP ASSY(3/3) (AWV1712)

• EXP BLOCK


E2/3
SDA2
SCL2
13.5V(2)
T
9V
6
R1190
22
1W
2SC2235(OY)-T
Q1171
3.9K
R1189
0.01
F
C1174
47/25
C1175
47/25
C1173
D1183
D1184
HZS9C1L-TP
D1171
D1173
D1172
D1174
R1178 100
R1179 100
47/25
C1172
0.01
F
C1171
D1181
D1182
R1187 100
R1188 100
Vcc SCL SDA SAD2 SAD1 SAD0 SW3 SW2
16 15 14 13 12 11 10 9
IC1171
CXA1315P
SW1 SW0 DAC4 DAC3 DAC2 DAC1 DAC0 GND
1 2 3 4 5 6 7 8
R1171 22K
R1173 22K
R1175 22K
R1177 dummy
R1180 100
R1181 10k
R1182 10k
R1183 10k
R1184 100
R1185 100
R1186 10k
E1/3
C_MODE1
C_MODE2
C_MODE3
R1172 27K
R1174 27K
R1176 27K
D1175
J1171
J900
J1172
D1178
D1179
J1173
A_MODE1
A_MODE2
GND
E2/3

B

Notes
1. RESISTERS
(RS):METAL OXIDE FILM RESISTER
(RT):CEMENT RESISTER
(RN):METAL FILM RESISTER
(FL):NON FLAMMABLE RESISTER
THE OTHERS:CARBONFILM RESISTER (1/4 W)
Figures in pharenttheses
show the rated wattage.
Those unspecified ones are of 1/4W.
K:KΩ ,M:MΩ ,Unspecified ones are of.Ω

2. CAPACITORS
(HA):Aluminium electrolytic capasitors
p:pF,Unspecified ones are of uF
Capacity/Voltage
Unspecified ones are of 50V

: 2SA933S(RS)
: 2SC1740S(RS)
: 1SS254
: RD12ESB

C

D

E1/3 AMP ASSY (1/3)

IC903 (STK392-040)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	–21.8	12	–23.3
2	–21.8	13	–22.8
3	–22.3	14	22.7
4	0	15	23.5
5	0	16	–23.8
6	0.4	17	–23.8
7	0.4	18	23.5
8	0	19	–23.8
9	0	20	0.2
10	0	21	0.1
11	23.2	22	0

IC904 (STK392-040)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	–21.7	12	–23.3
2	–21.7	13	–22.8
3	–22.2	14	22.7
4	0.1	15	23.6
5	0.1	16	–23.6
6	0	17	–23.6
7	0	18	23.6
8	0	19	–23.6
9	0	20	0.1
10	0	21	0.1
11	23.2	22	0

IC905 (NJM072BD)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	5	0
2	0	6	0
3	0	7	0
4	–5.0	8	5.0

IC906 (M5220P)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	–4.1	5	0
2	0.1	6	0
3	0	7	0
4	–5.0	8	5.0

IC907 (CA0007AD)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	8	0
2	0	9	0
3	1.0	10	0
4	0	11	0
5	0	12	0.1
6	0	13	5.0
7	0	14	–5.0

IC908 (M5220P)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	5	0
2	0	6	0
3	0	7	0
4	–5.0	8	5.0

IC909 (M5220P)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	5	0
2	0	6	0
3	0	7	0
4	–5.0	8	5.0

IC910 (TC4052BP)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	9	5.0
2	0	10	5.0
3	0	11	0
4	0	12	–1.0
5	0	13	0
6	0	14	–0.9
7	–5.0	15	–0.9
8	0	16	5.0

IC911 (TC74HC4538P)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	9	4.4
2	2.6	10	0.7
3	5.0	11	0.3
4	0.9	12	0
5	5.0	13	5.0
6	4.7	14	4.2
7	0.4	15	0
8	0	16	5.0

IC912 (M5223AP)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0.4	5	0.4
2	0.4	6	0.4
3	0.4	7	0.6
4	0	8	5.0

IC913 (TC74HC4538P)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	9	4.7
2	4.8	10	0.4
3	5.0	11	4.7
4	0.4	12	0
5	5.0	13	5.0
6	0.3	14	4.5
7	4.8	15	0
8	0	16	5.0

E2/3 AMP ASSY (2/3)

IC1201 (UPC1853CT01)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	11	6.2	21	—
2	6.2	12	6.2	22	5.2
3	6.2	13	6.2	23	0
4	6.2	14	6.2	24	6.1
5	6.2	15	12.2	25	6.2
6	6.2	16	6.2	26	6.2
7	6.2	17	6.2	27	6.2
8	6.2	18	6.2	28	6.2
9	6.2	19	4.7	29	6.2
10	6.2	20	—	30	6.2

IC1202 (STK4412)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	10.9	9	42.1
2	10.6	10	9.6
3	0	11	20.8
4	0	12	0
5	20.8	13	0
6	9.6	14	10.6
7	42.8	15	10.9
8	0		

IC1203 (NJM4558LD)

Pin No.	Voltage [V]
1	6.1
2	6.1
3	6.1
4	0
5	6.1
6	6.1
7	6.1
8	12.1

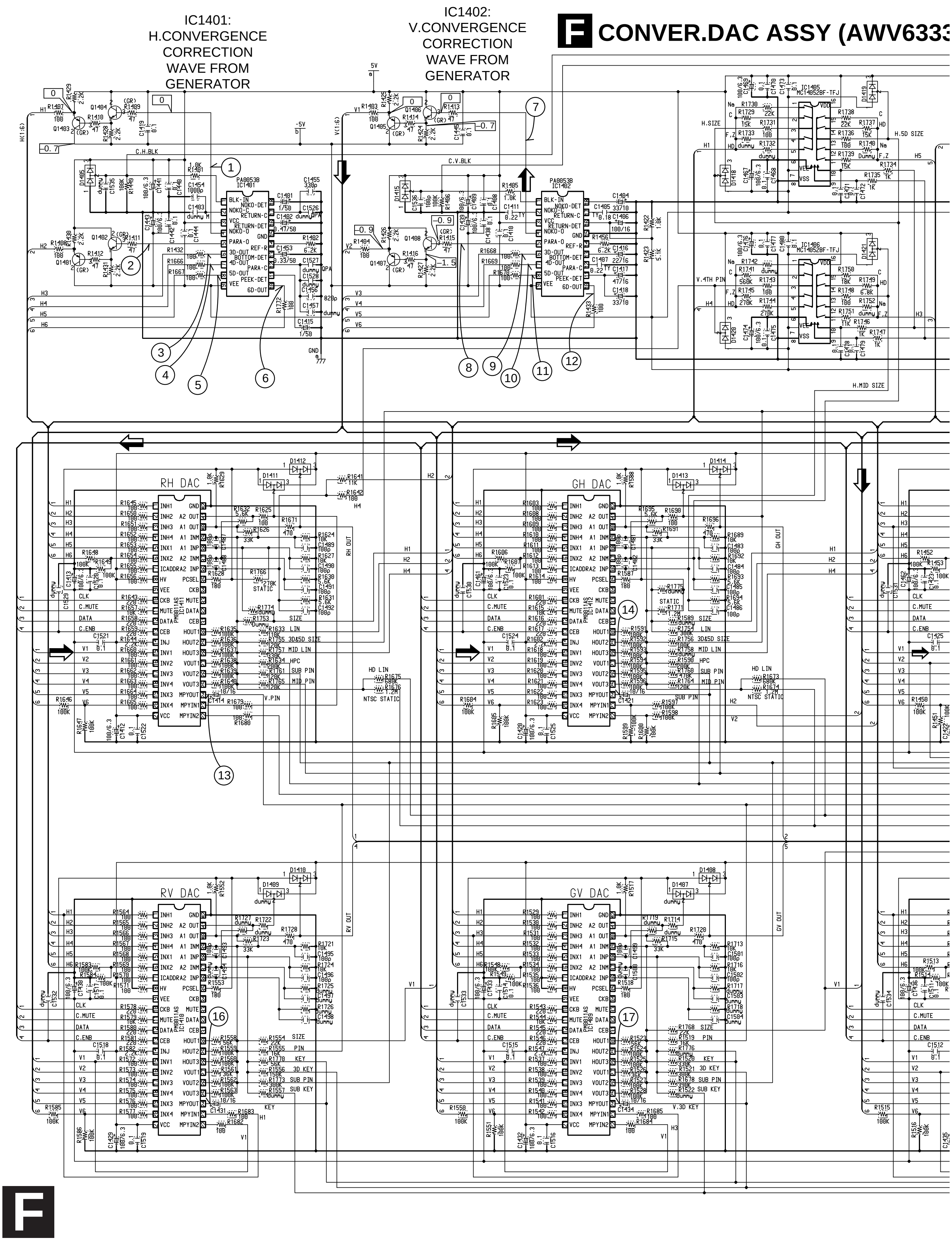
IC1205 (MC14066BCP)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	8	6.1
2	—	9	6.1
3	6.1	10	0
4	6.1	11	0
5	12.1	12	0
6	12.1	13	0
7	0	14	12.1

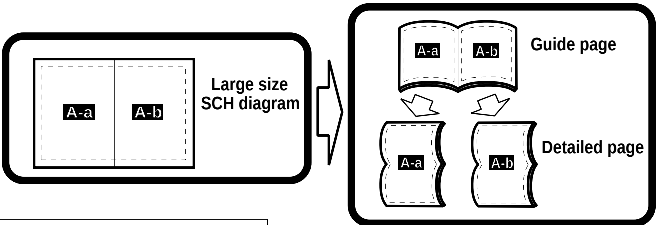
IC1204 (NJM2187L)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	12.2	11	6.1	21	6.1
2	0	12	6.1	22	6.1
3	0	13	6.1	23	6.1
4	6.1	14	6.1	24	6.1
5	0	15	6.1	25	6.1
6	12.2	16	6.1	26	6.1
7	6.1	17	6.1	27	6.1
8	6.1	18	6.1	28	6.1
9	6.1	19	6.1	29	6.1
10	6.1	20	6.1	30	6.1

■ CONVER.DAC ASSY, CONNECTOR ASSY


F CONVER.DAC ASSY (AWV6333
IC1401:
H.CONVERGENCE
CORRECTION
WAVE FROM
GENERATOR
IC1402:
V.CONVERGENCE
CORRECTION
WAVE FROM
GENERATOR
PA0053B
IC1401
PA0053B
IC1402
C.H.BLK
C.V.BLK
BLK-IN
NOKO-DET
NOKO-C
RETURN-C
VCC
RETURN-DET
NOKO-O
GND
PARA-O
REF-R
3D-OUT
BOTTOM-DET
4D-OUT
PARA-C
5D-OUT
PEEK-DET
VEE
6D-OUT
5V
-5V
GND
H(1:6)
V(1:6)
H1
H2
H3
H4
H5
H6
V1
V2
V3
V4
V5
V6
0
-0.7
-0.9
-1.5
1
2
3
4
5
6
7
8
9
10
11
12
13
14
16
17
IC1405
MC14052BF-TFJ
IC1406
MC14052BF-TFJ
VDD
VEE
VSS
H.SIZE
H.5D SIZE
V.4TH PIN
H.MID SIZE
RH DAC
GH DAC
RV DAC
GV DAC
PM0011AS
IC1411
IC1409
IC1410
INH1
INH2
INH3
INH4
INX1
INX2
HV
VEE
CKB
MUTE
DATA
CEB
INJ
INV1
INV2
INV3
INV4
INX3
INX4
VCC
GND
A2 OUT
A1 OUT
A1 INM
A1 INP
A2 INM
ICADDRA2 INP
PCSEL
HOUT1
HOUT2
HOUT3
VOUT1
VOUT2
VOUT3
MPYOUT
MPYIN1
MPYIN2
CLK
C.MUTE
C.ENB
RH OUT
GH OUT
RV OUT
GV OUT
STATIC
LIN
3D&5D SIZE
MID LIN
HPC
SUB PIN
MID PIN
V.PIN
HD LIN
NTSC STATIC
SIZE
PIN
KEY
3D KEY
SUB KEY
V.3D KEY
D1405
D1411
D1412
D1413
D1414
D1407
D1408
D1409
D1410
D1418
D1419
D1420
D1421
Q1401
Q1402
Q1403
Q1404
Q1405
Q1406
Q1407
Q1408
A
B
C
D
1
2
3
4
F

F-b G


A-a
A-b
Large size SCH diagram
A-a
A-b
Guide page
A-a
A-b
Detailed page

ASSY (AWV6333)

Notes
1. RESISTERS
 (RS):METAL OXIDE FILM RESISTER
 (RT):CEMENT RESISTER
 (RN):METAL FILM RESISTER
 (FL):NON FLAMMABLE RESISTER
 THE OTHERS:FIXED CHIP RESISTORS (1/16 W)
 Figures in pharenttheses
 show the rated wattage.
 Those unspecified ones are of 1/4W.
 K:KΩ ,M:M Ω,Unspecified ones are of Ω

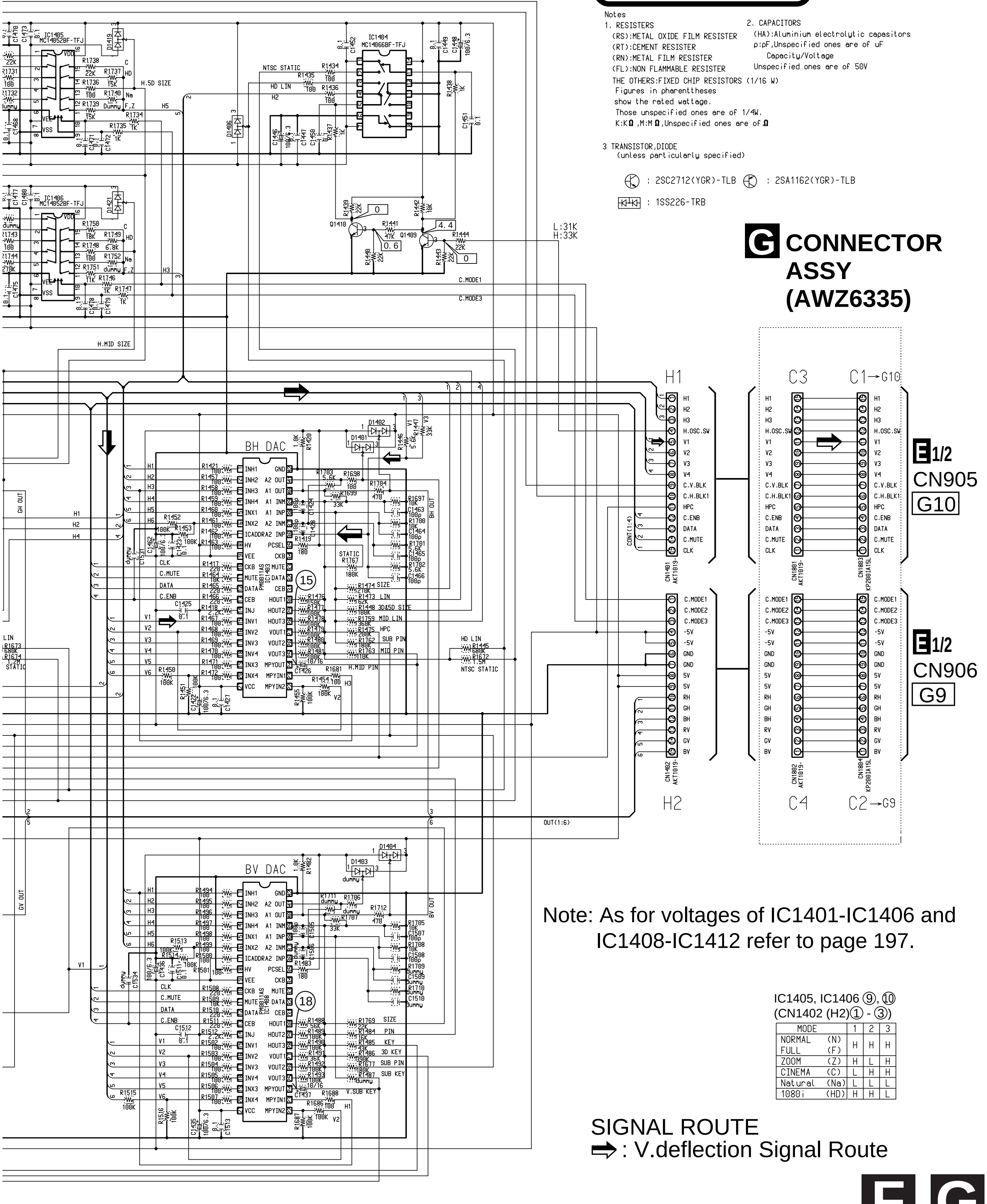
2. CAPACITORS
 (HA):Aluminium electrolytic capasitors
 p:pF,Unspecified ones are of uF
 Capacity/Voltage
 Unspecified ones are of 50V

3 TRANSISTOR,DIODE
 (unless particularly specified)

: 2SC2712(YGR)-TLB : 2SA1162(YGR)-TLB

: 1SS226-TRB

G CONNECTOR ASSY (AWZ6335)


IC1405
MC14052BF-TFJ
IC1404
MC14066BF-TFJ
IC1406
MC14052BF-TFJ
NTSC STATIC
HD LIN
H.5D SIZE
H.MID SIZE
L:31K
H:33K
C.MODE1
C.MODE3
Q1410
Q1409
0
4.4
0.6
0
BH DAC
BV DAC
GH OUT
GV OUT
BH OUT
BV OUT
STATIC
CONT(1:4)
OUT(1:6)
H1
C3
C1→G10
E 1/2
CN905
G10
CN906
G9
CN1401 AKT1019-
CN1801 AKT1019-
CN1803 KP200A15L
CN1402 AKT1019-
CN1802 AKT1019-
CN1804 KP200A15L
H2
C4
C2→G9
H1
H2
H3
H.OSC.SW
V1
V2
V3
V4
C.V.BLK
C.H.BLK1
HPC
C.ENB
DATA
C.MUTE
CLK
C.MODE1
C.MODE2
C.MODE3
-5V
-5V
GND
GND
5V
5V
RH
GH
BH
RV
GV
BV
15
18

Note: As for voltages of IC1401-IC1406 and IC1408-IC1412 refer to page 197.

IC1405, IC1406 ⑨, ⑩
(CN1402 (H2)① - ③)

MODE	1	2	3
NORMAL (N) FULL (F)	H	H	H
ZOOM (Z)	H	L	H
CINEMA (C)	L	H	H
Natural (Na)	L	L	L
1080i (HD)	H	H	L

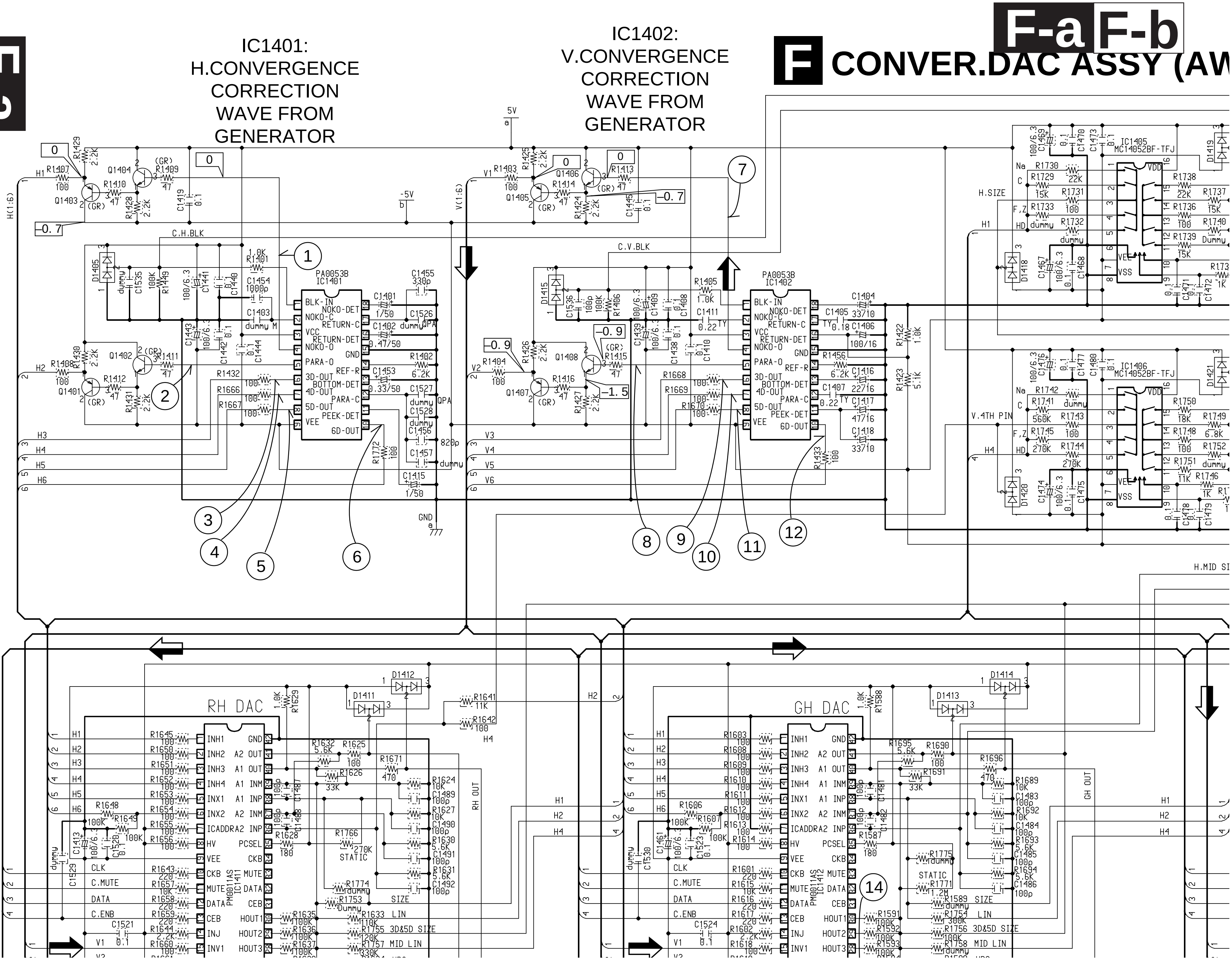
SIGNAL ROUTE
⇨ : V.deflection Signal Route

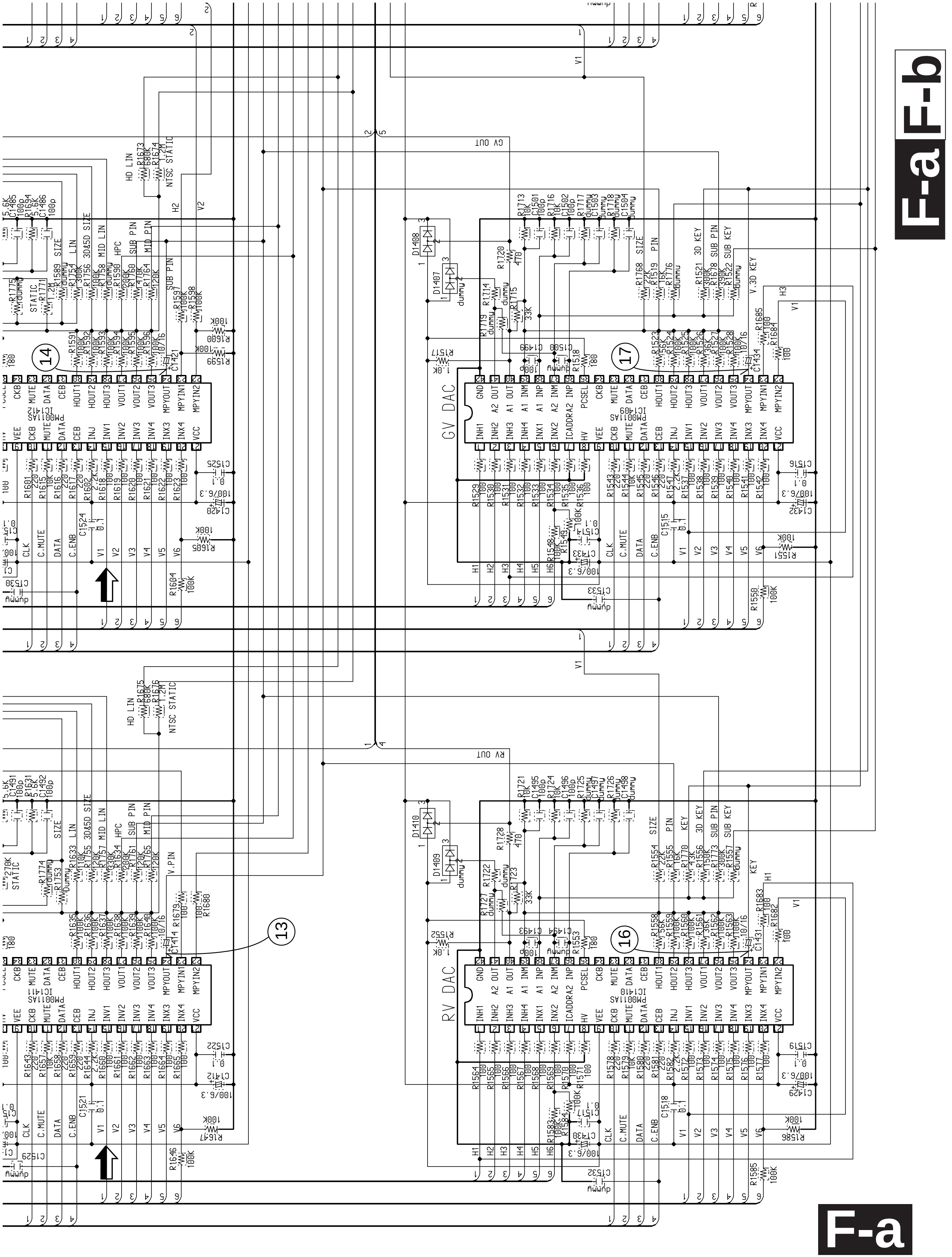
F G

F-a **F-b**

F CONVER.DAC ASSY (AW

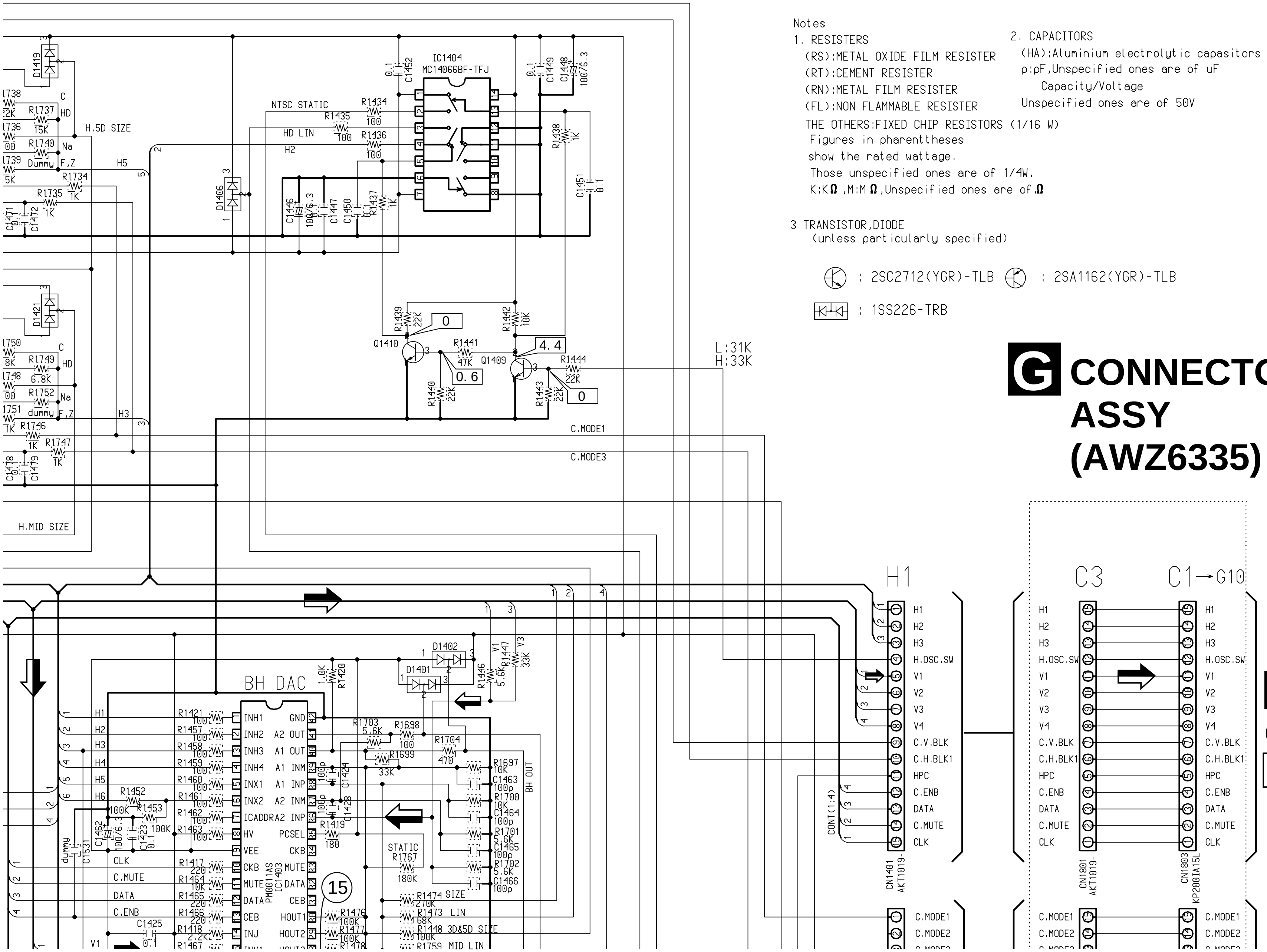
F-a


IC1401:
H.CONVERGENCE
CORRECTION
WAVE FROM
GENERATOR
IC1402:
V.CONVERGENCE
CORRECTION
WAVE FROM
GENERATOR
PA0053B
IC1401
PA0053B
IC1402
BLK-IN
NOKO-DET
NOKO-C
RETURN-C
VCC
RETURN-DET
NOKO-O
GND
PARA-O
REF-R
3D-OUT
BOTTOM-DET
4D-OUT
PARA-C
5D-OUT
PEEK-DET
VEE
6D-OUT
C.H.BLK
C.V.BLK
IC1405
MC14052BF-TFJ
IC1406
MC14052BF-TFJ
H.SIZE
V.4TH PIN
H.MID SI
RH DAC
GH DAC
PM0011AS
IC1411
PM0011AS
IC1412
INH1
INH2
INH3
INH4
INX1
INX2
ICADDRA2
HV
VEE
CKB
MUTE
DATA
CEB
INJ
INV1
A2 OUT
A1 OUT
A1 INM
A1 INP
A2 INM
A2 INP
PCSEL
HOUT1
HOUT2
HOUT3
CLK
C.MUTE
DATA
C.ENB
RH OUT
GH OUT
STATIC
SIZE
LIN
3D&5D SIZE
MID LIN
D1411
D1412
D1413
D1414
5V
-5V
GND
H(1:6)
V(1:6)
0
-0.7
-0.9
-1.5
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑭


F-a F-b
F-a
GV DAC
RV DAC
IC1409
IC1410
IC1411
IC1412
PM0011AS
GV OUT
RV OUT
HD LIN
NTSC STATIC
D1407
D1408
D1409
D1410
CLK
C.MUTE
DATA
C.ENB
V1
V2
V3
V4
V5
V6
H1
H2
H3
H4
H5
H6
INH1
INH2
INH3
INH4
INX1
INX2
INX3
INX4
ICADDRA2
HV
VEE
CKB
MUTE
CEB
INJ
INV1
INV2
INV3
INV4
VCC
GND
A2 OUT
A1 OUT
A1 INM
A1 INP
A2 INM
A2 INP
PCSEL
HOUT1
HOUT2
HOUT3
VOUT1
VOUT2
VOUT3
MPYOUT
MPYIN1
MPYIN2
13
14
16
17
5
6
7
8
A
B
C
D

F-b **G**

(AWV6333)


D
C
B
A
1
2
3
4
D1419
H.5D SIZE
R1737 15K
R1740 Dummy
R1734 1K
R1735 1K
C1471
C1472
H5
H3
H.MID SIZE
D1421
R1749 6.8K
R1752 dummy
R1746 1K
R1747 1K
C1478
C1479
NTSC STATIC
HD LIN
H2
R1434 100
R1435 100
R1436 100
R1437 1K
IC1404
MC14066BF-TFJ
C1452 0.1
C1449 0.1
C1448 100/6.3
R1438 1K
C1451 0.1
D1406
C1446 100/6.3
C1447
C1450
Q1410
Q1409
R1439 22K
R1441 47K
R1440 22K
R1442 10K
R1443 22K
R1444 22K
0
0.6
4.4
0
L:31K
H:33K
C.MODE1
C.MODE3
BH DAC
IC1403
PM0011AS
INH1 INH2 INH3 INH4 INX1 INX2 ICADDRA2 HV VEE CKB MUTE DATA CEB INJ
GND A2 OUT A1 OUT A1 INM A1 INP A2 INM A2 INP PCSEL CKB MUTE DATA CEB HOUT1 HOUT2
H1 H2 H3 H4 H5 H6
CLK
C.MUTE
DATA
C.ENB
V1
R1421 100
R1457 100
R1458 100
R1459 100
R1460 100
R1461 100
R1462 100
R1463 100
R1417 220
R1464 10K
R1465 220
R1466 220
R1418 2.2K
R1467
R1452 100K
R1453 100K
C1462 100/6.3
C1423 0.1
C1531
C1425 0.1
R1420 1.0K
D1402
D1401
R1446 5.6K
R1447 33K
V1
V3
R1703 5.6K
R1698 100
R1699 33K
R1704 470
C1424 100p
C1428 100p
R1419 180
STATIC
R1767 180K
R1697 10K
C1463 100p
R1700 10K
C1464 100p
R1701 5.6K
C1465 100p
R1702 5.6K
C1466 100p
BH OUT
R1474 270K SIZE
R1473 68K LIN
R1448 100K 3D&5D SIZE
R1759 MID LIN
R1476 100K
R1477 100K
R1478
15
H1
CN1401
AKT1019-
CONT(1:4)
H1 H2 H3 H.OSC.SW V1 V2 V3 V4 C.V.BLK C.H.BLK1 HPC C.ENB DATA C.MUTE CLK
C.MODE1 C.MODE2
C3
C1→G10
CN1801
AKT1019-
CN1803
KP200IA15L
E 1/2
CN905
G10

G CONNECTOR ASSY (AWZ6335)

Notes

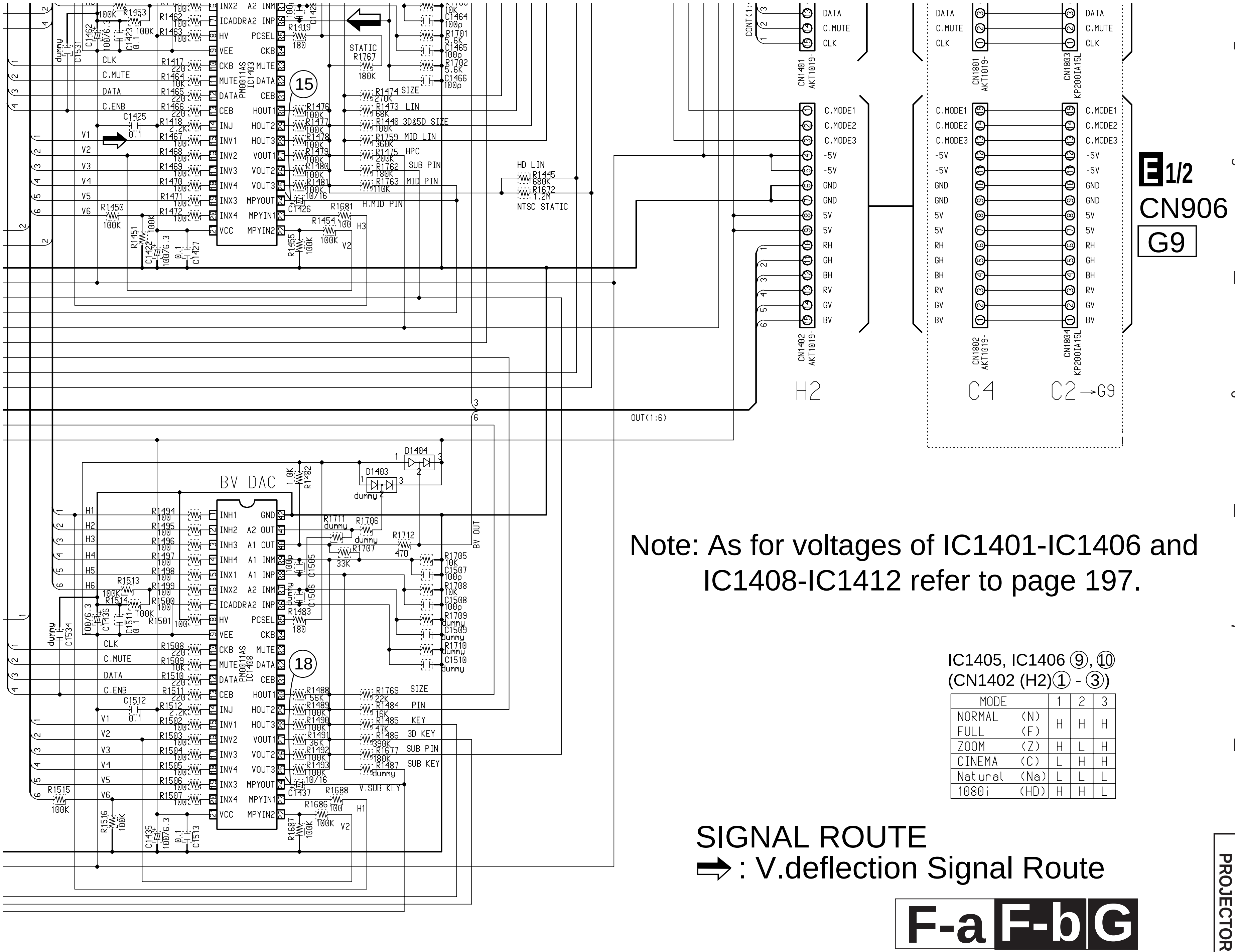
1. RESISTERS
   (RS):METAL OXIDE FILM RESISTER
   (RT):CEMENT RESISTER
   (RN):METAL FILM RESISTER
   (FL):NON FLAMMABLE RESISTER
   THE OTHERS:FIXED CHIP RESISTORS (1/16 W)
   Figures in pharentheses
   show the rated wattage.
   Those unspecified ones are of 1/4W.
   K:KΩ ,M:MΩ,Unspecified ones are of Ω

2. CAPACITORS
   (HA):Aluminium electrolytic capasitors
   p:pF,Unspecified ones are of uF
   Capacity/Voltage
   Unspecified ones are of 50V

3 TRANSISTOR,DIODE
(unless particularly specified)

: 2SC2712(YGR)-TLB : 2SA1162(YGR)-TLB

: 1SS226-TRB


PM0011AS IC1403
15
STATIC R1767 180K
HD LIN R1445 680K R1672 1.2M NTSC STATIC
H.MID PIN
CLK
C.MUTE
DATA
C.ENB
V1 V2 V3 V4 V5 V6
BV DAC
PM0011AS IC1408
18
D1404
D1403 dummy
BV OUT
V.SUB KEY
H1 H2 H3 H4 H5 H6
OUT(1:6)
CONT(1:
CN1401 AKT1019-
CN1402 AKT1019-
CN1801 AKT1019-
CN1803 KP200IA15L
CN1802 AKT1019-
CN1804 KP200IA15L
DATA C.MUTE CLK
C.MODE1 C.MODE2 C.MODE3 -5V -5V GND GND 5V 5V RH GH BH RV GV BV
H2
C4
C2→G9
E 1/2
CN906
G9

Note: As for voltages of IC1401-IC1406 and IC1408-IC1412 refer to page 197.

IC1405, IC1406 ⑨, ⑩
(CN1402 (H2)① - ③)

MODE	1	2	3
NORMAL (N) FULL (F)	H	H	H
ZOOM (Z)	H	L	H
CINEMA (C)	L	H	H
Natural (Na)	L	L	L
1080i (HD)	H	H	L

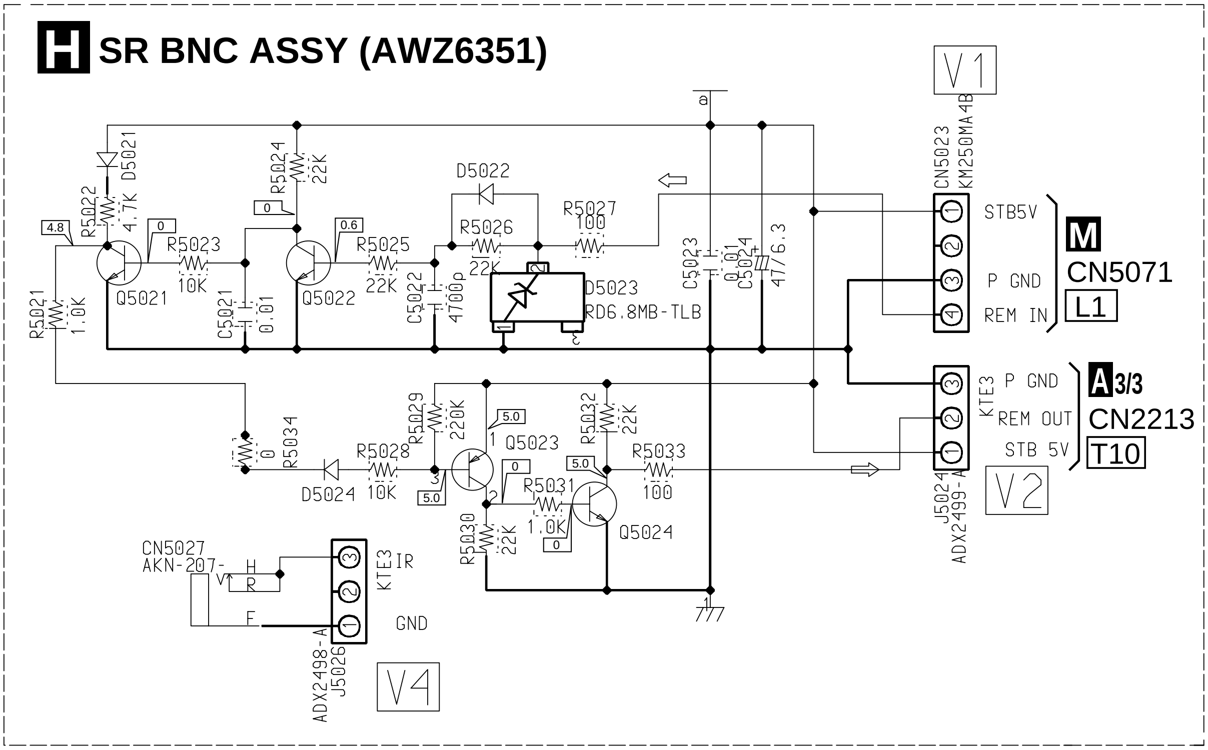
SIGNAL ROUTE
⇨ : V.deflection Signal Route

F-b G

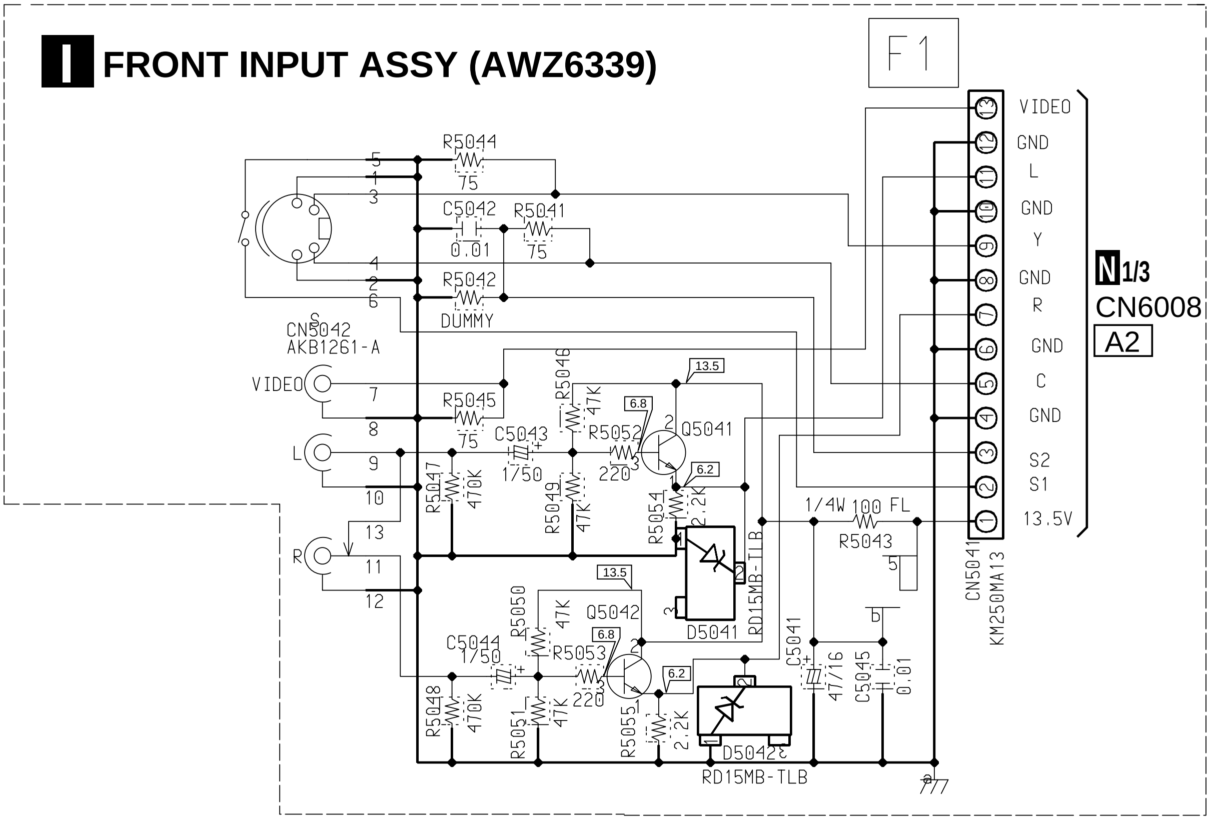
F-a F-b G

■ SR BNC ASSY, FRONT INPUT ASSY, FRONT CONTROL ASSY, LED DPO ASSY, SR ASSY

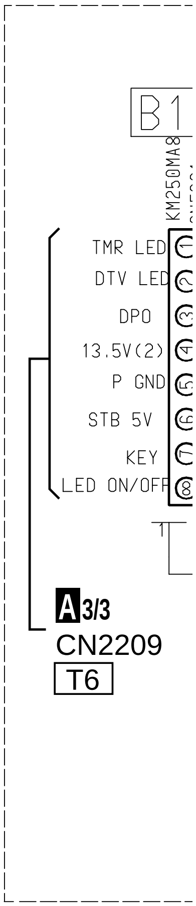
H SR BNC ASSY (AWZ6351)


V1
a
D5021
R5022 4.7K
R5024 22K
D5022
R5027 100
R5026 22K
R5023 10K
R5025 22K
4.8
0
0.6
Q5021
Q5022
R5021 1.0K
C5021 0.01
C5022 4700p
D5023 RD6.8MB-TLB
C5023 0.01
C5024 47/6.3
CN5023 KM250MA4B
STB5V
P GND
REM IN
M CN5071 L1
KTE3
P GND
REM OUT
STB 5V
A 3/3 CN2213 T10
R5034 0
D5024
R5028 10K
R5029 220K
Q5023
5.0
R5032 22K
R5033 100
R5031 1.0K
R5030 22K
Q5024
J5024 ADX2499-A
V2
CN5027 AKN-207-
H
V
R
F
KTE3
IR
GND
ADX2498-A J5026
V4

I FRONT INPUT ASSY (AWZ6339)


F1
R5044 75
C5042 0.01
R5041 75
R5042 DUMMY
CN5042 AKB1261-A
S
VIDEO
L
R
R5045 75
C5043 1/50
R5046 47K
R5052 220
Q5041
13.5
6.8
6.2
R5047 470K
R5049 47K
R5054 2.2K
D5041 RD15MB-TLB
C5044 1/50
R5050 47K
R5053 220
Q5042
R5048 470K
R5051 47K
R5055 2.2K
D5042 RD15MB-TLB
C5041 47/16
C5045 0.01
1/4W 100 FL
R5043
b
CN5041 KM250MA13
VIDEO
GND
L
GND
Y
GND
R
GND
C
GND
S2
S1
13.5V
N 1/3 CN6008 A2

J FRONT (AWZ63

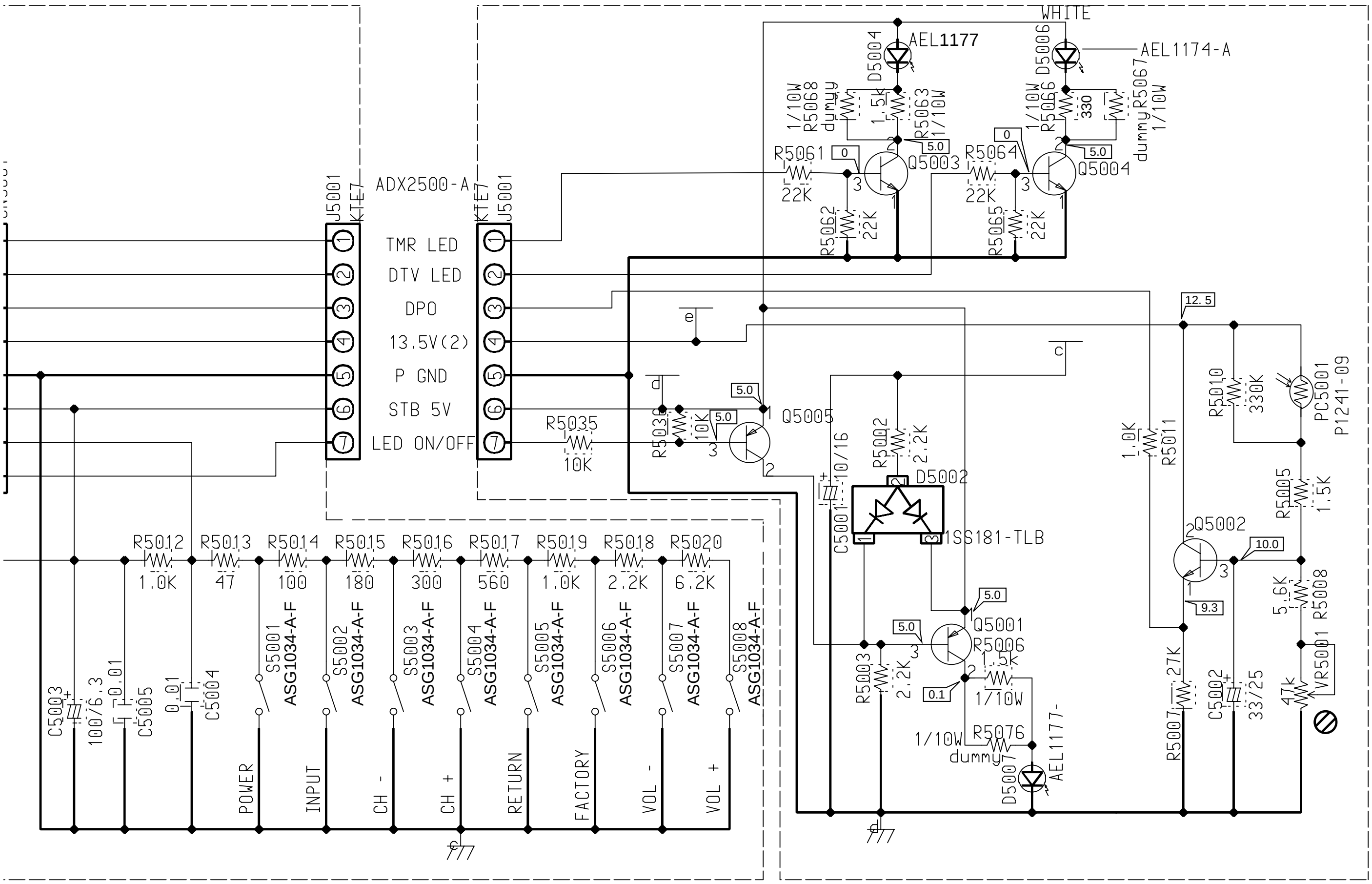

B1
KM250MA8
TMR LED
DTV LED
DPO
13.5V(2)
P GND
STB 5V
KEY
LED ON/OFF
1
A 3/3 CN2209 T6

N
1.R
I
2.C
Inc

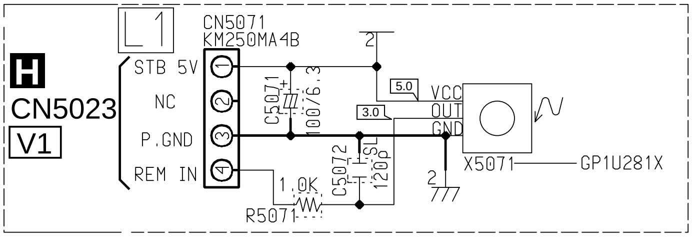
H I J

CONTROL ASSY
37)

K LED DPO ASSY (AWZ6348)


J5001
KTE7
ADX2500-A
KTE7
J5001
TMR LED
DTV LED
DPO
13.5V(2)
P GND
STB 5V
LED ON/OFF
WHITE
D5004
AEL1177
D5006
AEL1174-A
R5068
dummy
1/10W
1.5k
R5063
1/10W
R5066
330
R5067
dummy
1/10W
R5061
0
22K
Q5003
5.0
R5064
0
22K
Q5004
5.0
R5062
22K
R5065
22K
e
c
d
5.0
Q5005
R5035
10K
R5036
10K
5.0
C5001
10/16
R5002
2.2K
D5002
1SS181-TLB
12.5
R5011
1.0K
R5010
330K
PC5001
P1241-09
R5005
1.5K
Q5002
10.0
9.3
R5008
5.6K
VR5001
47k
5.0
Q5001
R5006
1.5k
1/10W
5.0
0.1
R5003
2.2K
R5076
1/10W
dummy
D5007
AEL1177-
R5007
27K
C5002
33/25
R5012
1.0K
R5013
47
R5014
100
R5015
180
R5016
300
R5017
560
R5019
1.0K
R5018
2.2K
R5020
6.2K
S5001
S5002
S5003
S5004
S5005
S5006
S5007
S5008
ASG1034-A-F
C5003
100/6.3
C5005
0.01
C5004
0.01
POWER
INPUT
CH -
CH +
RETURN
FACTORY
VOL -
VOL +

M SR ASSY (AWZ6350)


L1
CN5071
KM250MA4B
H
CN5023
V1
STB 5V
NC
P.GND
REM IN
C5071
100/6.3
5.0
3.0
VCC
OUT
GND
C5072
SL
120p
1.0K
R5071
X5071
GP1U281X
2

otes

ESISTORS

ndicated in Ω

tolerance unless otherwise noted k kΩ

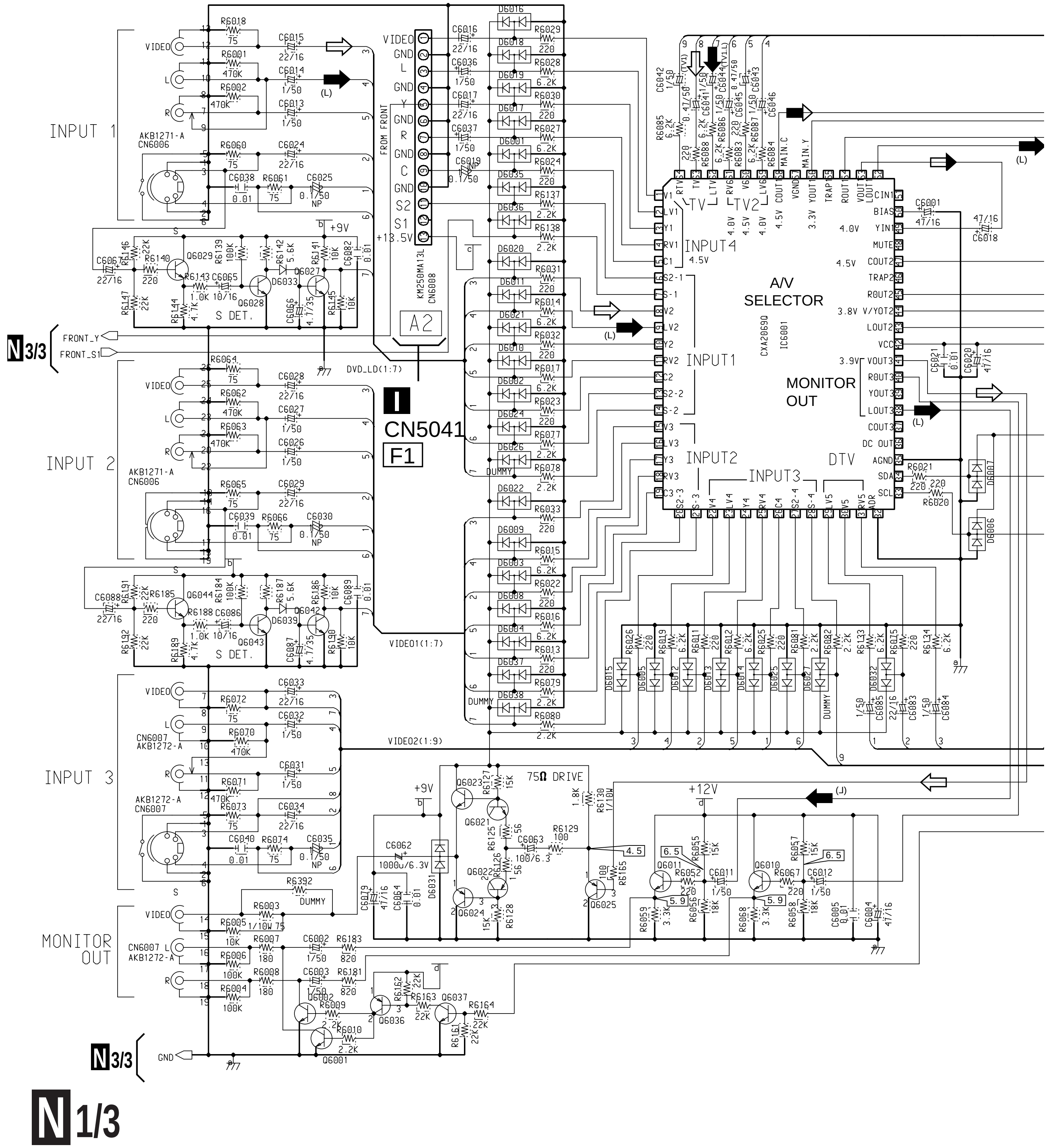
APASITORS

ndicated in capacity(uF)/Voltage unless
otherwise noted p pF

ication without voltage is 50V except electrolytic capacitor.

■ AV I/O ASSY (1/3)

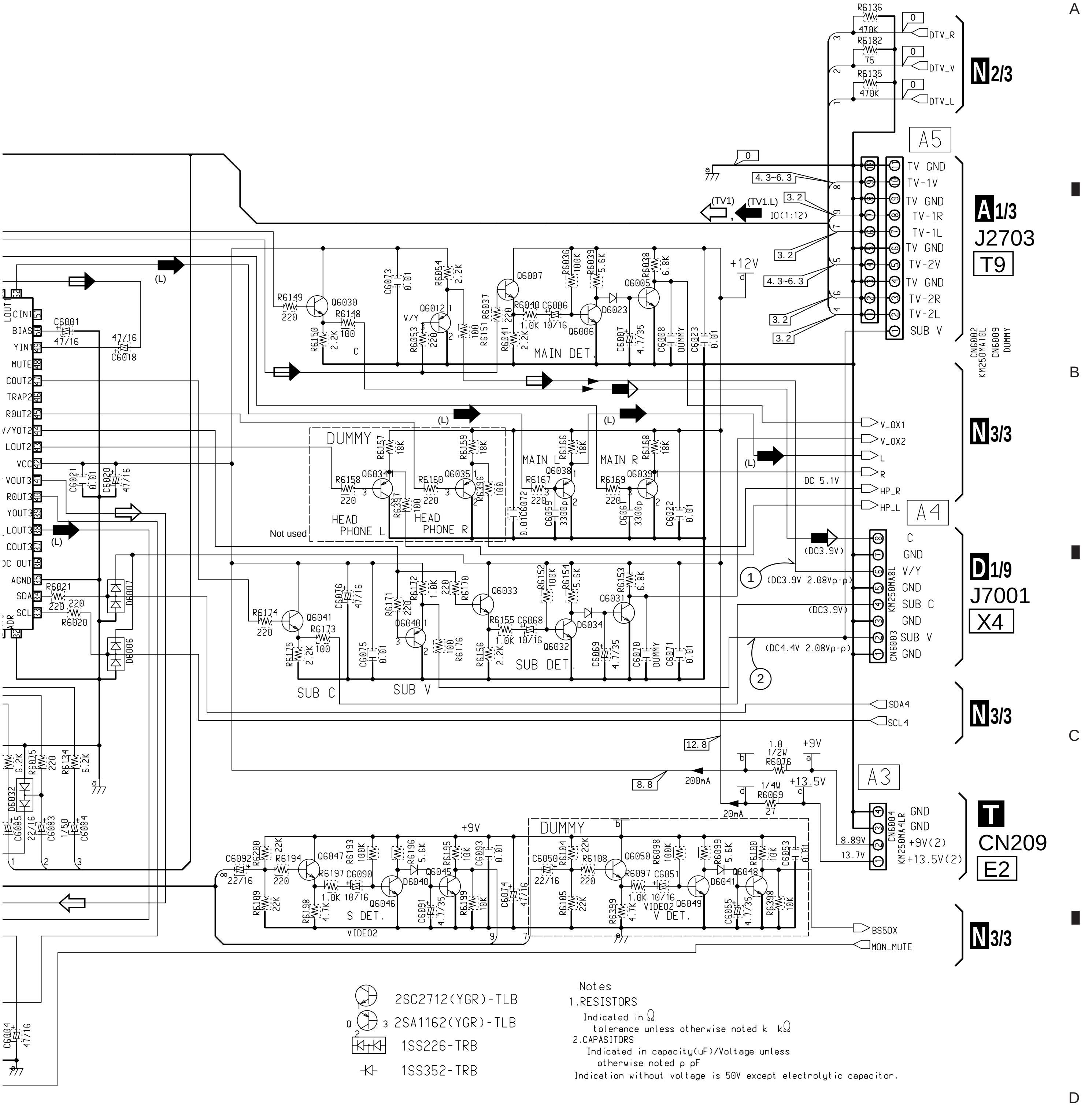
N AV
• A


1
2
3
4
A
B
C
D
INPUT 1
INPUT 2
INPUT 3
MONITOR OUT
AKB1271-A CN6006
AKB1272-A CN6007
VIDEO
L
R
S DET.
+9V
+12V
+13.5V
FRONT_Y
FRONT_S1
GND
N 3/3
DVD_LD(1:7)
VIDEO1(1:7)
VIDEO2(1:9)
FROM FRONT
KM250MA13L CN6008
VIDEO GND L GND Y GND R GND C GND S2 S1
A2
I
CN5041
F1
A/V SELECTOR
CXA2069Q IC6001
INPUT4
INPUT1
INPUT2
INPUT3
TV
TV2
DTV
MONITOR OUT
75Ω DRIVE
DUMMY
(L)
(J)
N 1/3

N AV I/O ASSY(1/3) (AWV1722)

- **AV I/O BLOCK**

SIGNAL ROUTE
⇨ : Video Signal Route
➡ : Audio Signal Route
⇨ : Y Signal Route
➡ : C Signal Route


A
B
C
D
R6136 470K
R6182 75
R6135 470K
DTV_R
DTV_V
DTV_L
N 2/3
A5
TV GND
TV-1V
TV GND
TV-1R
TV-1L
TV GND
TV-2V
TV GND
TV-2R
TV-2L
SUB V
A 1/3
J2703
T9
CN6002 KM250MA10L
CN6009 DUMMY
(TV1)
(TV1.L)
IO(1:12)
4.3~6.3
3.2
+12V
LOUT1
CIN1
BIAS
YIN1
MUTE
COUT2
TRAP2
ROUT2
V/YOT2
LOUT2
VCC
VOUT3
ROUT3
YOUT3
LOUT3
COUT3
DC OUT
AGND
SDA
SCL
ADR
C6001 47/16
C6018 47/16
R6021 220
R6020 220
C6021 0.01
C6020 47/16
D6007
D6006
R6149 220
Q6030
R6148 100
R6150 2.2K
C6073 0.01
R6054 2.2K
Q6012
V/Y
R6053 220
R6151 100
R6037 100
Q6007
R6041 220
R6040 1.0K
C6006 10/16
R6036 100K
R6039 5.6K
Q6006
D6023
R6038 6.8K
Q6005
C6007 4.7/35
C6008 DUMMY
C6023 0.01
MAIN DET.
V_OX1
V_OX2
L
R
HP_R
HP_L
N 3/3
DC 5.1V
A4
DUMMY
R6157 18K
R6159 18K
R6158 220
Q6034
R6160 220
Q6035
R6397 100
R6396 100
HEAD PHONE L
HEAD PHONE R
Not used
(L)
MAIN L
MAIN R
R6166 18K
R6168 18K
R6167 220
Q6038
R6169 220
Q6039
C6072 0.01
C6059 3300p
C6061 3300p
C6022 0.01
C
GND
V/Y
GND
SUB C
GND
SUB V
GND
CN6003 KM250MA8L
D 1/9
J7001
X4
(DC3.9V)
(DC3.9V 2.08Vp-p)
(DC4.4V 2.08Vp-p)
①
②
R6174 220
Q6041
R6173 100
R6175 2.2K
C6076 47/16
C6075 0.01
R6171 220
R6172 1.0K
R6170 220
Q6040
R6176 100
Q6033
R6155 1.0K
C6068 10/16
R6156 2.2K
Q6032
R6152 100K
R6154 5.6K
D6034
R6153 6.8K
Q6031
C6069 4.7/35
C6070 DUMMY
C6071 0.01
SUB DET.
SUB C
SUB V
SDA4
SCL4
12.8
8.8
200mA
20mA
R6076 1.0 1/2W
+9V
R6069 27 1/4W
+13.5V
A3
GND
GND
+9V(2)
+13.5V(2)
CN6004 KM250MA4LR
8.89V
13.7V
T
CN209
E2
R6075 220
R6134 6.2K
D6032
C6085 22/16
C6083 1/50
C6084
C6092 22/16
R6200 22K
R6194 220
Q6047
R6193 100K
R6196 5.6K
R6195 10K
C6093 0.01
R6197 1.0K
C6090 10/16
D6040
D6045
Q6046
R6109 22K
R6198 4.7K
C6091 4.7/35
R6199 10K
C6074 47/16
S DET.
VIDEO2
DUMMY
C6050 22/16
R6104 22K
R6108 220
Q6050
R6098 100K
R6099 5.6K
R6100 10K
C6053 0.01
R6097 1.0K
C6051 10/16
D6041
Q6048
Q6049
R6105 22K
R6399 4.7K
C6055 4.7/35
R6398 10K
V DET.
BS50X
MON_MUTE
C6004 47/16
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1SS226-TRB
1SS352-TRB

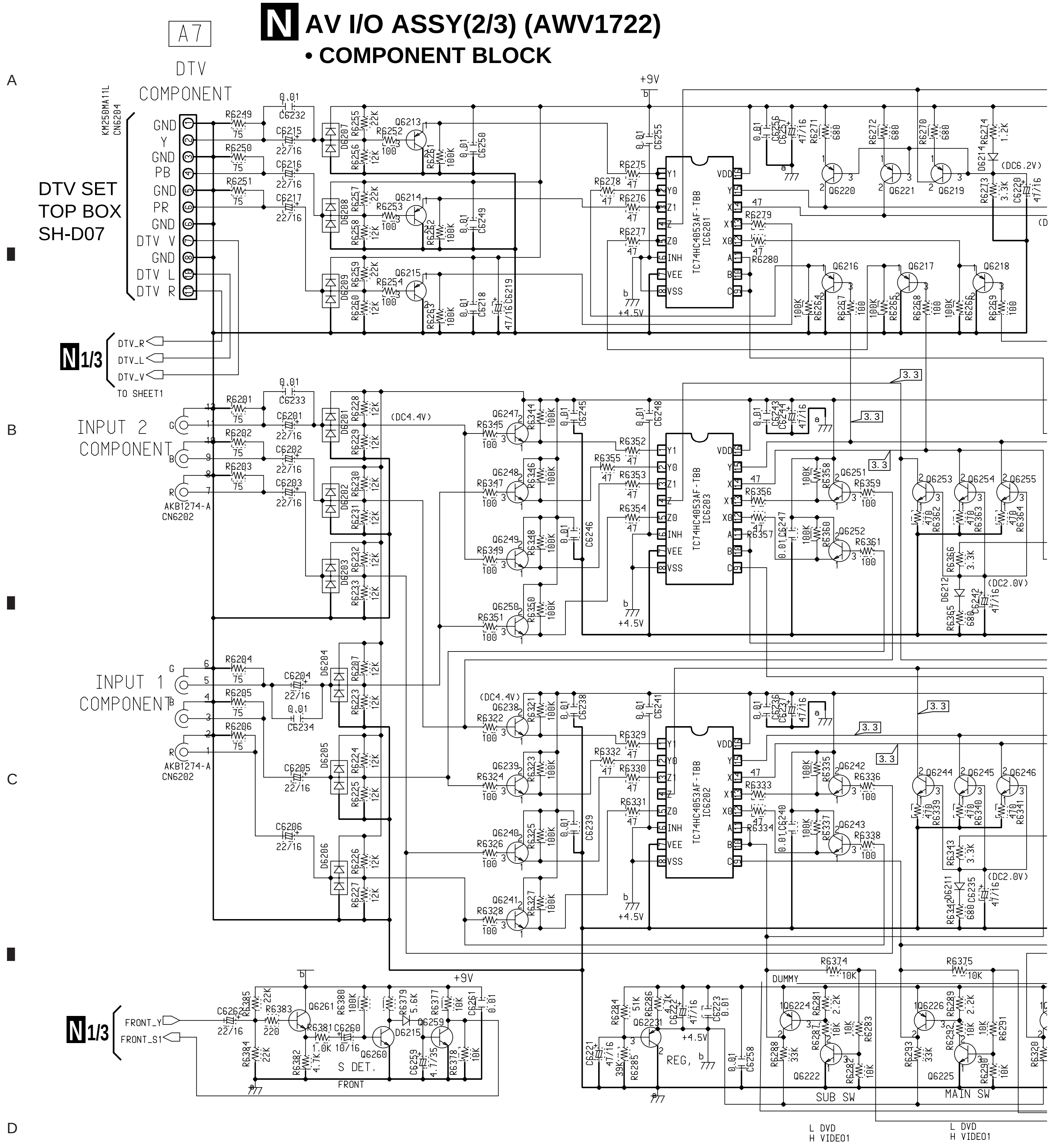
Notes
1.RESISTORS
Indicated in Ω
tolerance unless otherwise noted k kΩ
2.CAPASITORS
Indicated in capacity(uF)/Voltage unless
otherwise noted p pF
Indication without voltage is 50V except electrolytic capacitor.

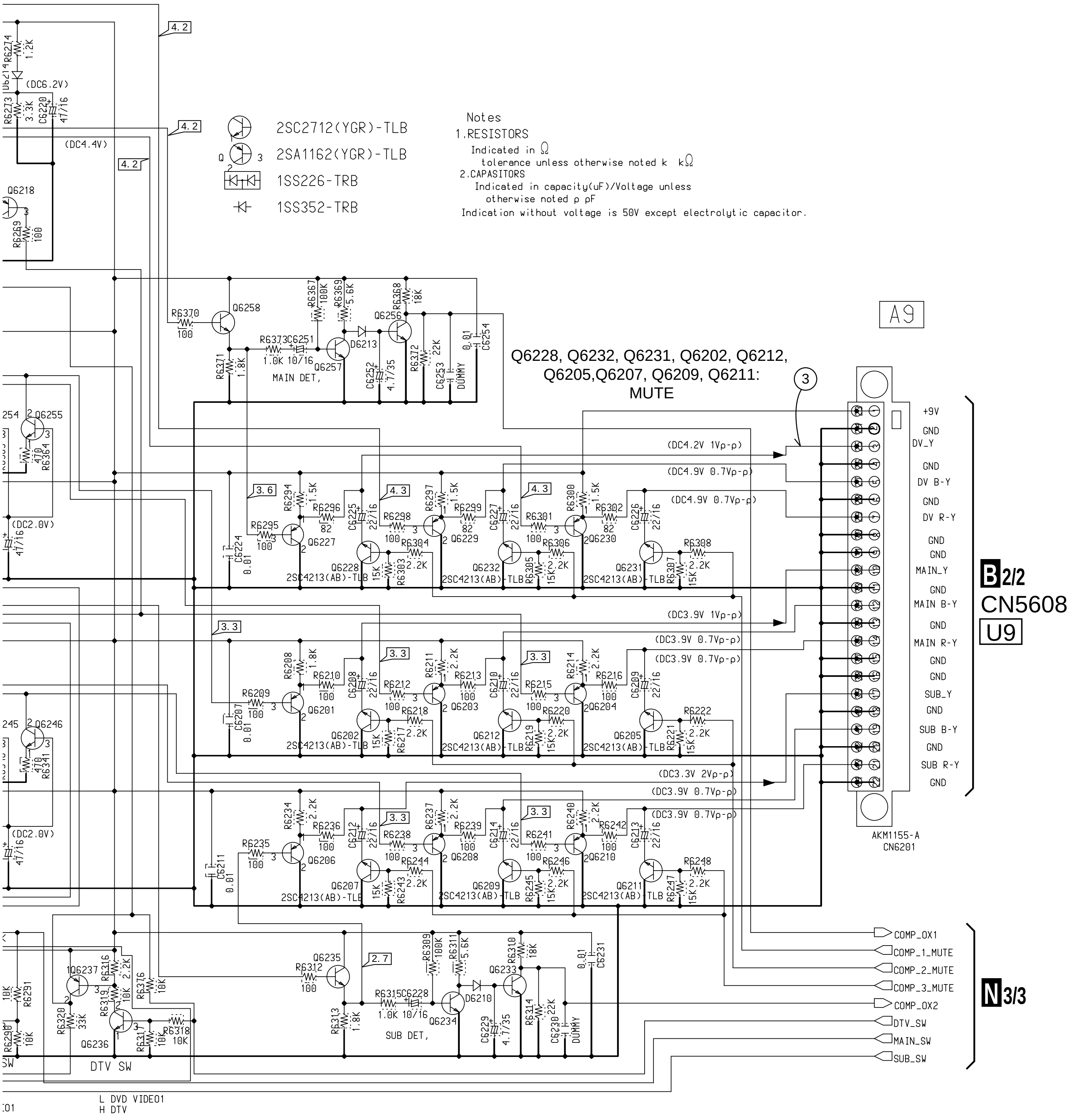
Note: As for voltages of IC6001 refer to page 198.

AV I/O ASSY (2/3)

N AV I/O ASSY(2/3) (AWV1722)

• COMPONENT BLOCK

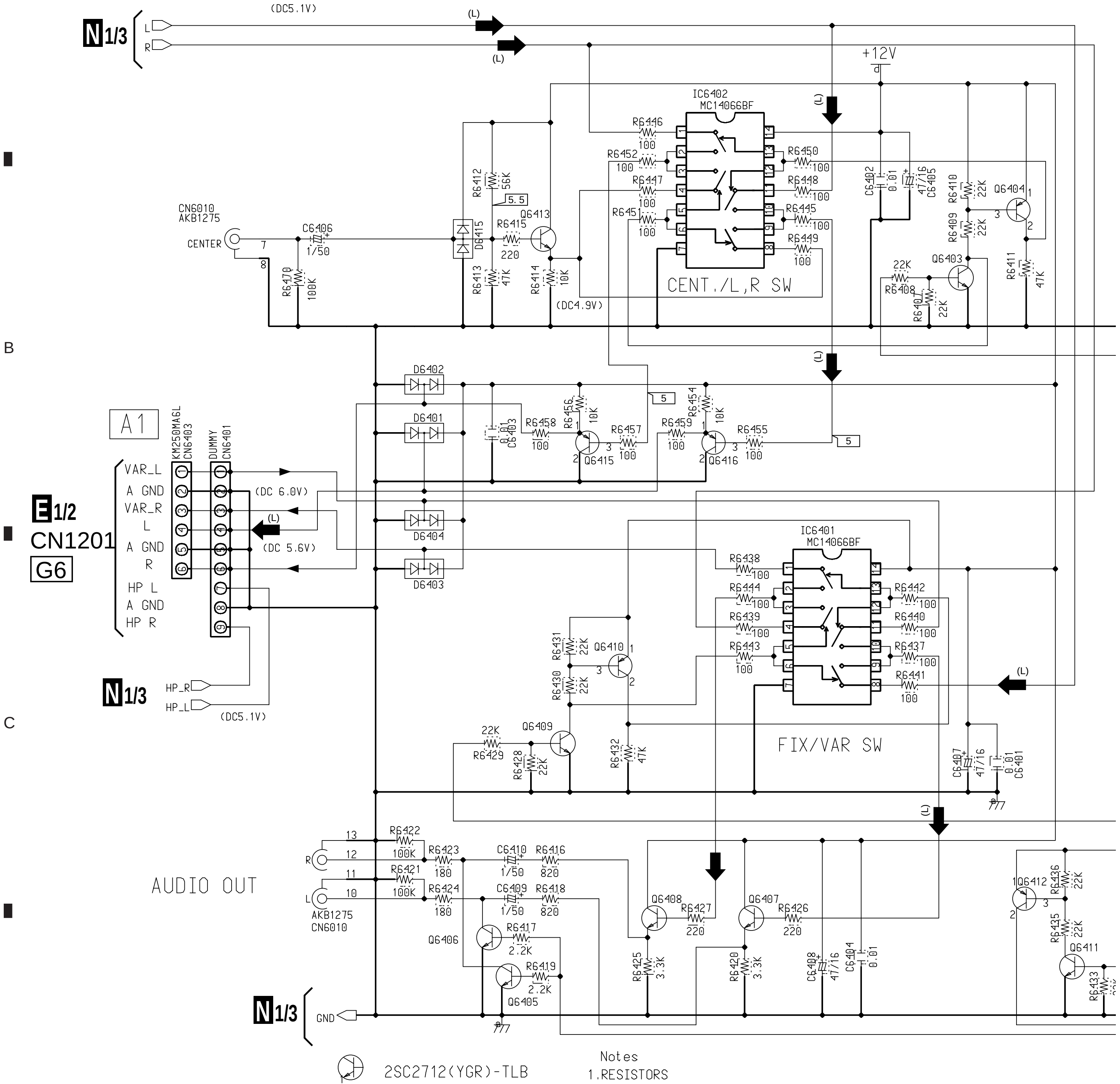

A7
DTV COMPONENT
KM250MA11L CN6204
GND
Y
GND
PB
GND
PR
GND
DTV V
GND
DTV L
DTV R
DTV SET TOP BOX SH-D07
N1/3
DTV_R
DTV_L
DTV_V
TO SHEET1
INPUT 2 COMPONENT
AKB1274-A CN6202
INPUT 1 COMPONENT
AKB1274-A CN6202
+9V
+4.5V
(DC4.4V)
(DC6.2V)
(DC2.0V)
3.3
TC74HC4053AF-TBB IC6201
TC74HC4053AF-TBB IC6203
TC74HC4053AF-TBB IC6202
VDD
Y1
Y0
Z1
Z
Z0
INH
VEE
VSS
Y
X
X1
X0
A
B
C
Q6213
Q6214
Q6215
Q6216
Q6217
Q6218
Q6219
Q6220
Q6221
Q6238
Q6239
Q6240
Q6241
Q6242
Q6243
Q6244
Q6245
Q6246
Q6247
Q6248
Q6249
Q6250
Q6251
Q6252
Q6253
Q6254
Q6255
Q6259
Q6260
Q6261
Q6222
Q6223
Q6224
Q6225
Q6226
D6201
D6202
D6203
D6204
D6205
D6206
D6207
D6208
D6209
D6211
D6212
D6214
D6215
N1/3
FRONT_Y
FRONT_S1
S DET.
FRONT
REG.
DUMMY
SUB SW
MAIN SW
L DVD
H VIDEO1
L DVD
H VIDEO1

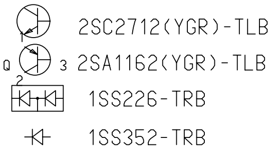

A
B
C
D
2SC2712(YGR)-TLB
2SA1162(YGR)-TLB
1SS226-TRB
1SS352-TRB
Notes
1.RESISTORS
Indicated in Ω
tolerance unless otherwise noted k kΩ
2.CAPASITORS
Indicated in capacity(uF)/Voltage unless
otherwise noted ρ pF
Indication without voltage is 50V except electrolytic capacitor.
Q6228, Q6232, Q6231, Q6202, Q6212,
Q6205,Q6207, Q6209, Q6211:
MUTE
③
A9
4.2
4.2
4.2
R6274 1.2K
(DC6.2V)
R6273 3.3K
C6220 47/16
(DC4.4V)
Q6218
R6269 100
R6370 100
Q6258
R6371 1.8K
R6367 100K
R6369 5.6K
R6373 1.0K
C6251 10/16
Q6257
MAIN DET,
D6213
R6368 18K
Q6256
C6252 4.7/35
R6372 22K
C6253 DUMMY
C6254 0.01
Q6255
R6364 470
(DC2.0V)
47/16
3.6
4.3
4.3
R6294 1.5K
R6295 100
R6296 82
C6225 22/16
Q6227
C6224 0.01
Q6228
2SC4213(AB)-TLB
R6298 100
R6303 15K
R6304 2.2K
R6297 1.5K
R6299 82
C6227 22/16
Q6229
Q6232
R6301 100
R6305 15K
R6306 2.2K
R6300 1.5K
R6302 82
C6226 22/16
Q6230
Q6231
R6307 15K
R6308 2.2K
(DC4.2V 1Vp-p)
(DC4.9V 0.7Vp-p)
(DC4.9V 0.7Vp-p)
(DC3.9V 1Vp-p)
(DC3.9V 0.7Vp-p)
(DC3.9V 0.7Vp-p)
(DC3.3V 2Vp-p)
(DC3.9V 0.7Vp-p)
(DC3.9V 0.7Vp-p)
3.3
3.3
3.3
R6208 1.8K
R6209 100
R6210 100
C6208 22/16
Q6201
C6207 0.01
Q6202
R6212 100
R6217 15K
R6218 2.2K
R6211 2.2K
R6213 100
C6210 22/16
Q6203
Q6212
R6215 100
R6219 15K
R6220 2.2K
R6214 2.2K
R6216 100
C6209 22/16
Q6204
Q6205
R6221 15K
R6222 2.2K
Q6246
R6341 470
(DC2.0V)
47/16
3.3
3.3
R6234 2.2K
R6235 100
R6236 100
C6212 22/16
Q6206
C6211 0.01
Q6207
R6238 100
R6243 15K
R6244 2.2K
R6237 2.2K
R6239 100
C6214 22/16
Q6208
Q6209
R6241 100
R6245 15K
R6246 2.2K
R6240 2.2K
R6242 100
C6213 22/16
Q6210
Q6211
R6247 15K
R6248 2.2K
+9V
GND
DV_Y
GND
DV B-Y
GND
DV R-Y
GND
GND
MAIN_Y
GND
MAIN B-Y
GND
MAIN R-Y
GND
GND
SUB_Y
GND
SUB B-Y
GND
SUB R-Y
GND
AKM1155-A
CN6201
B 2/2
CN5608
U9
Q6237
R6316 2.2K
R6291 10K
R6320 33K
R6319 10K
R6376 10K
Q6236
R6317 10K
R6318 10K
R6290 10K
DTV SW
Q6235
R6312 100
2.7
R6313 1.8K
R6309 100K
R6311 5.6K
R6315 1.0K
C6228 10/16
Q6234
SUB DET,
D6210
R6310 18K
Q6233
C6229 4.7/35
R6314 22K
C6230 DUMMY
C6231 0.01
COMP_OX1
COMP_1_MUTE
COMP_2_MUTE
COMP_3_MUTE
COMP_OX2
DTV_SW
MAIN_SW
SUB_SW
N 3/3
L DVD VIDEO1
H DTV

■ AV I/O ASSY (3/3)

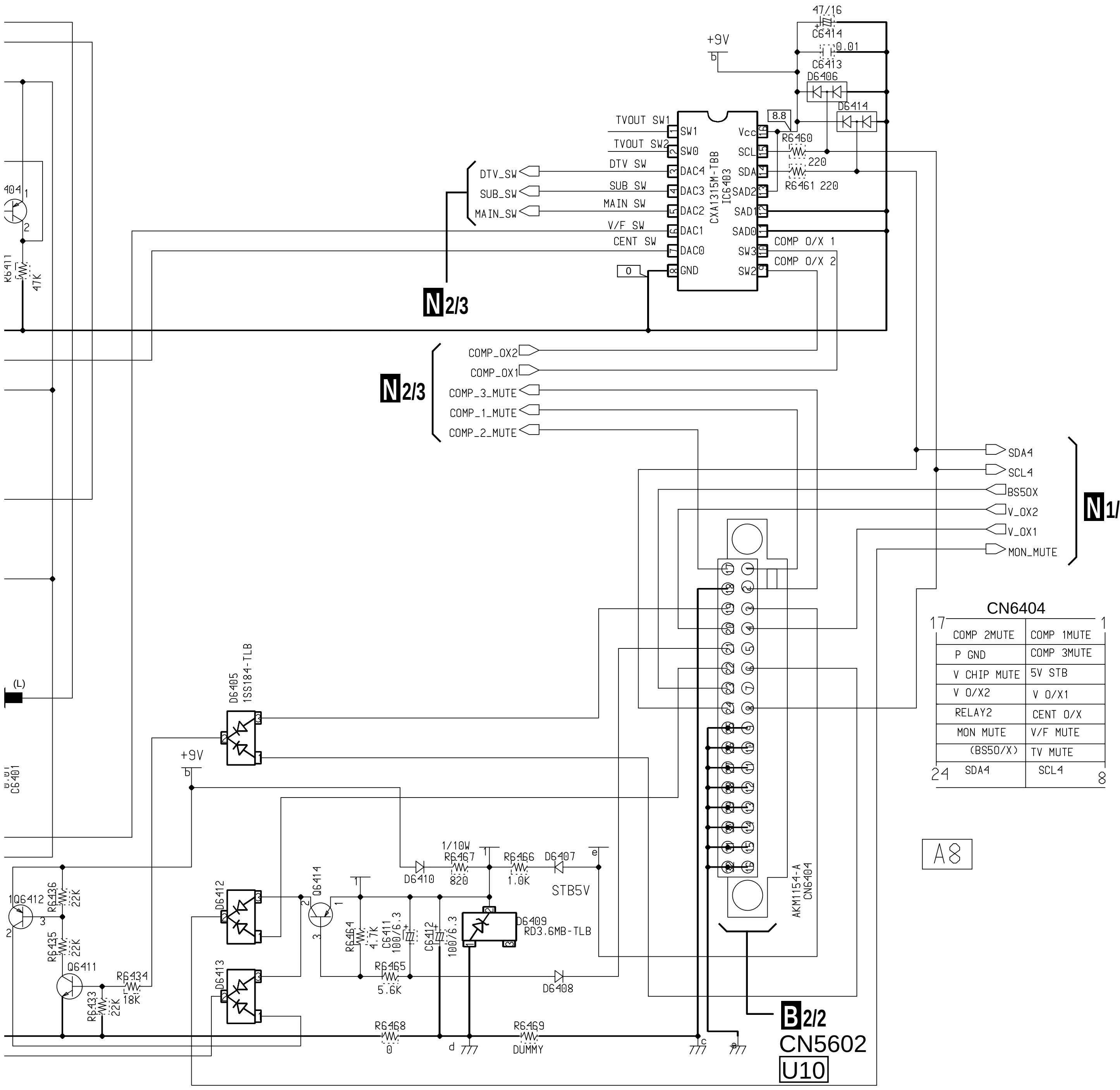
N AV I/O ASSY(3/3) (AWV1722)

• SOUND BLOCK


A
B
C
D
N 1/3
L
R
(DC5.1V)
(L)
+12V
IC6402
MC14066BF
R6446 100
R6452 100
R6447 100
R6451 100
R6450 100
R6448 100
R6445 100
R6449 100
CENT./L,R SW
C6402 0.01
C6405 47/16
R6410 22K
R6409 22K
Q6404
Q6403
22K R6408
R6407 22K
R6411 47K
CN6010
AKB1275
CENTER
C6406 1/50
R6470 100K
R6412 56K
5.5
D6415
R6415 220
Q6413
R6413 47K
R6414 10K
(DC4.9V)
D6402
D6401
C6403 0.01
R6458 100
R6456 10K
Q6415
R6457 100
R6459 100
R6454 10K
Q6416
R6455 100
5
A1
KM250MA6L
CN6403
DUMMY
CN6401
VAR_L
A GND
VAR_R
L
A GND
R
HP L
A GND
HP R
E 1/2
CN1201
G6
(DC 6.0V)
(DC 5.6V)
D6404
D6403
IC6401
MC14066BF
R6438 100
R6444 100
R6439 100
R6443 100
R6442 100
R6440 100
R6437 100
R6441 100
R6431 22K
Q6410
R6430 22K
Q6409
22K R6429
R6428 22K
R6432 47K
FIX/VAR SW
C6407 47/16
C6401 0.01
HP_R
HP_L
(DC5.1V)
AUDIO OUT
R6422 100K
R6423 180
C6410 1/50
R6416 820
R6421 100K
R6424 180
C6409 1/50
R6418 820
13
12
11
10
AKB1275
CN6010
Q6406
R6417 2.2K
R6419 2.2K
Q6405
Q6408
R6427 220
Q6407
R6426 220
R6425 3.3K
R6420 3.3K
C6408 47/16
C6404 0.01
Q6412
R6436 22K
R6435 22K
Q6411
R6433
GND


2SC2712(YGR)-TLB
Q 2SA1162(YGR)-TLB
1SS226-TRB
1SS352-TRB

Notes
1.RESISTORS
Indicated in Ω
tolerance unless otherwise noted k kΩ
2.CAPASITORS
Indicated in capacity(uF)/Voltage unless
otherwise noted p pF
Indication without voltage is 50V except electrolytic capacitor.


5
6
7
A
B
C
D
+9V
b
47/16
C6414
0.01
C6413
D6406
D6414
8.8
R6460
220
R6461 220
TVOUT SW1
TVOUT SW2
DTV SW
SUB SW
MAIN SW
V/F SW
CENT SW
0
SW1
SW0
DAC4
DAC3
DAC2
DAC1
DAC0
GND
Vcc
SCL
SDA
SAD2
SAD1
SAD0
SW3
SW2
CXA1315M-TBB
IC6403
COMP O/X 1
COMP O/X 2
DTV_SW
SUB_SW
MAIN_SW
N 2/3
COMP_OX2
COMP_OX1
COMP_3_MUTE
COMP_1_MUTE
COMP_2_MUTE
N 2/3
SDA4
SCL4
BS50X
V_OX2
V_OX1
MON_MUTE
N 1/3
404
R6411
47K
(L)
C6401
0.01
D6405
1SS184-TLB
+9V
b
D6412
D6413
Q6412
R6436
22K
R6435
22K
Q6411
R6434
18K
R6433
22K
Q6414
D6410
1/10W
R6467
820
R6466
1.0K
D6407
STB5V
e
R6464
4.7K
C6411
100/6.3
C6412
100/6.3
D6409
RD3.6MB-TLB
R6465
5.6K
D6408
R6468
0
d
R6469
DUMMY
c
a
AKM1154-A
CN6404
B 2/2
CN5602
U10
A8
CN6404

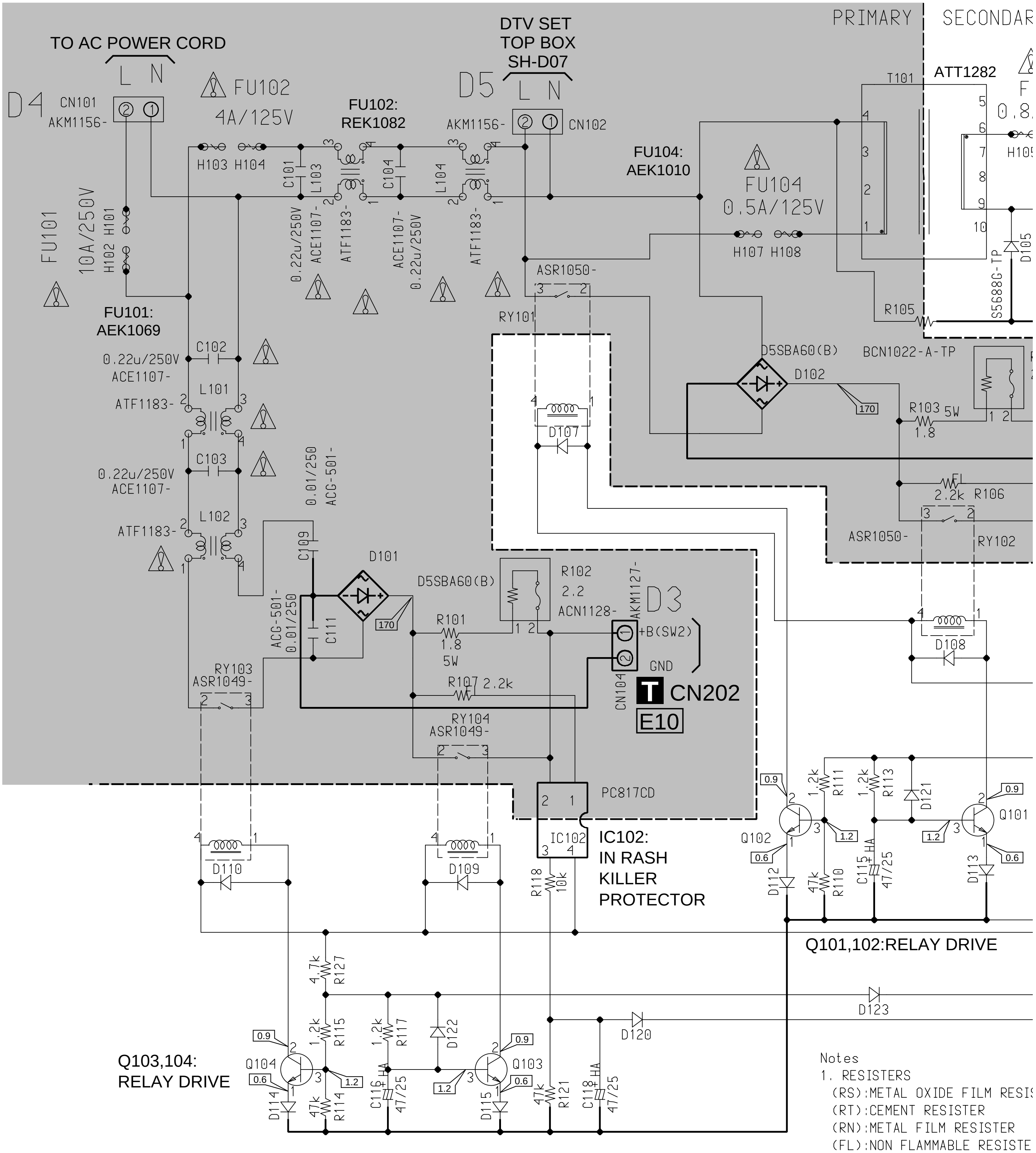
17			1
	COMP 2MUTE	COMP 1MUTE	
	P GND	COMP 3MUTE	
	V CHIP MUTE	5V STB	
	V O/X2	V O/X1	
	RELAY2	CENT O/X	
	MON MUTE	V/F MUTE	
	(BS50/X)	TV MUTE	
24	SDA4	SCL4	8

SIGNAL ROUTE
➡ : Audio Signal Route

N 3/3

■ AC IN ASSY

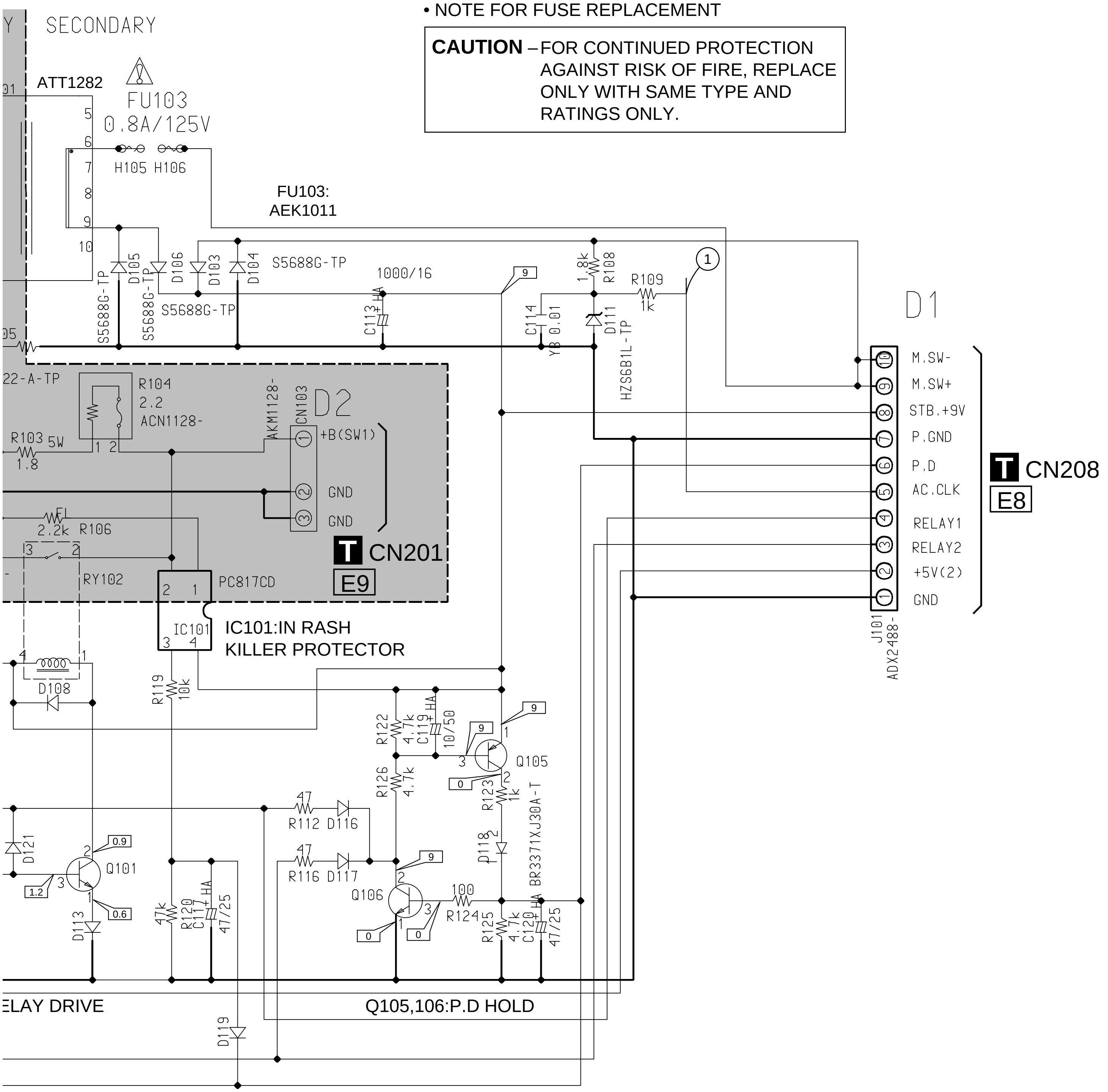
O AC IN ASSY (AWZ6354)


PRIMARY
SECONDAR
TO AC POWER CORD
L N
D4
CN101
AKM1156-
FU102
4A/125V
FU102:
REK1082
DTV SET
TOP BOX
SH-D07
D5
L N
AKM1156-
CN102
FU104:
AEK1010
FU104
0.5A/125V
T101
ATT1282
H103 H104
C101
L103
C104
L104
0.22u/250V
ACE1107-
ATF1183-
ACE1107-
0.22u/250V
ATF1183-
FU101
10A/250V
H102 H101
FU101:
AEK1069
H107 H108
H105
D105
S5688G-TP
ASR1050-
RY101
R105
C102
0.22u/250V
ACE1107-
L101
ATF1183-
C103
0.22u/250V
ACE1107-
L102
ATF1183-
0.01/250
ACG-501-
C109
D5SBA60(B)
D102
170
BCN1022-A-TP
R103 5W
1.8
D107
R106
2.2k
ASR1050-
RY102
D101
D5SBA60(B)
R102
2.2
ACN1128-
AKM1127-
D3
+B(SW2)
GND
CN104
T CN202
E10
ACG-501-
0.01/250
C111
170
R101
1.8
5W
R107 2.2k
RY103
ASR1049-
RY104
ASR1049-
PC817CD
IC102
IC102:
IN RASH
KILLER
PROTECTOR
D108
Q102
R111
1.2k
R113
1.2k
D121
Q101
0.9
1.2
0.6
D112
47k
R110
C115
HA
47/25
D113
D110
D109
R118
10k
Q101,102:RELAY DRIVE
R127
4.7k
D123
D120
R115
1.2k
R117
1.2k
D122
Q104
Q103
Q103,104:
RELAY DRIVE
D114
R114
47k
C116
HA
47/25
D115
R121
47k
C118
HA
47/25
O
1
2
3
4
A
B
C
D

Notes
1. RESISTERS
(RS):METAL OXIDE FILM RESIS
(RT):CEMENT RESISTER
(RN):METAL FILM RESISTER
(FL):NON FLAMMABLE RESISTE
THE OTHERS:CARBONFILM RES
Figures in pharenttheses
show the rated wattage.
Those unspecified ones ar
K:KΩ ,M:MΩ ,Unspecified c

• NOTE FOR FUSE REPLACEMENT

CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.


SECONDARY
ATT1282
FU103
0.8A/125V
5
6
7
8
9
10
H105 H106
FU103:
AEK1011
D105
S5688G-TP
D106
S5688G-TP
D103
D104
S5688G-TP
S5688G-TP
1000/16
C113 HA
9
1.8k
R108
R109
1k
1
C114
YB 0.01
D111
HZS6B1L-TP
D1
R104
2.2
ACN1128-
AKM1128-
CN103
D2
+B(SW1)
GND
GND
R103 5W
1.8
22-A-TP
F1
2.2k R106
RY102
PC817CD
IC101
T CN201
E9
IC101:IN RASH
KILLER PROTECTOR
M.SW-
M.SW+
STB.+9V
P.GND
P.D
AC.CLK
RELAY1
RELAY2
+5V(2)
GND
T CN208
E8
J101
ADX2488-
D108
R119
10k
R122
4.7k
C119 HA
10/50
9
Q105
0
R123
1k
R126
4.7k
R112 47 D116
R116 47 D117
D118
BR3371XJ30A-T
9
Q106
100
R124
0
0
R125
4.7k
C120 HA
47/25
D121
Q101
0.9
1.2
0.6
D113
47k
R120
C117 HA
47/25
D119
ELAY DRIVE
Q105,106:P.D HOLD

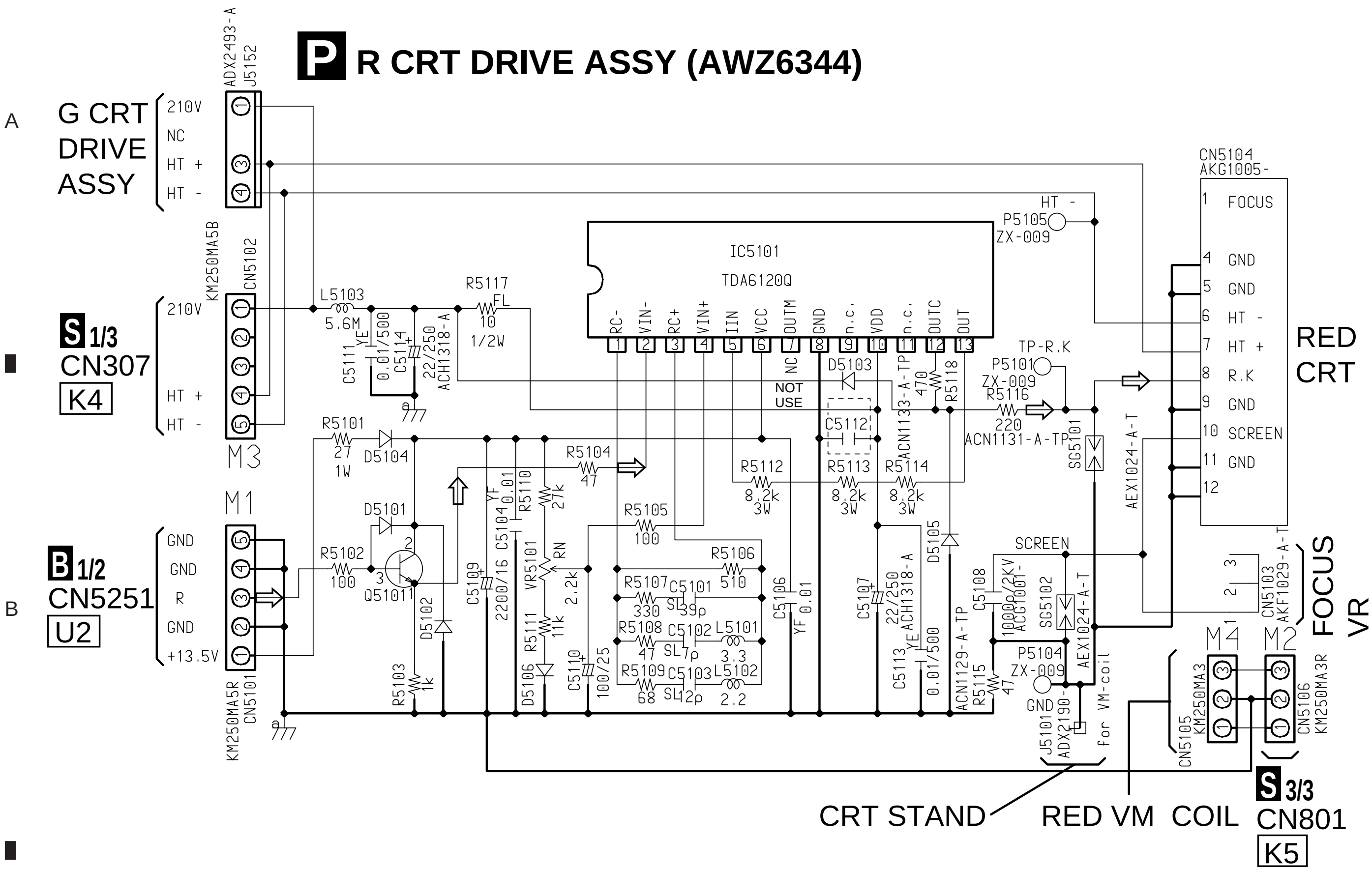
S
OXIDE FILM RESISTER
NT RESISTER
FILM RESISTER
FLAMMABLE RESISTER
ERS:CARBONFILM RESISTER (1/4 W)
in pharenttheses
rated wattage.
specified ones are of 1/4W.
MΩ ,Unspecified ones are of Ω

2. CAPACITORS
(HA):Aluminium electrolytic capasitors
p:pF,Unspecified ones are of uF
Capacity/Voltage
Unspecified ones are of 50V
: 2SA933S(RS)
: 2SC1740S(RS)
: 1SS254

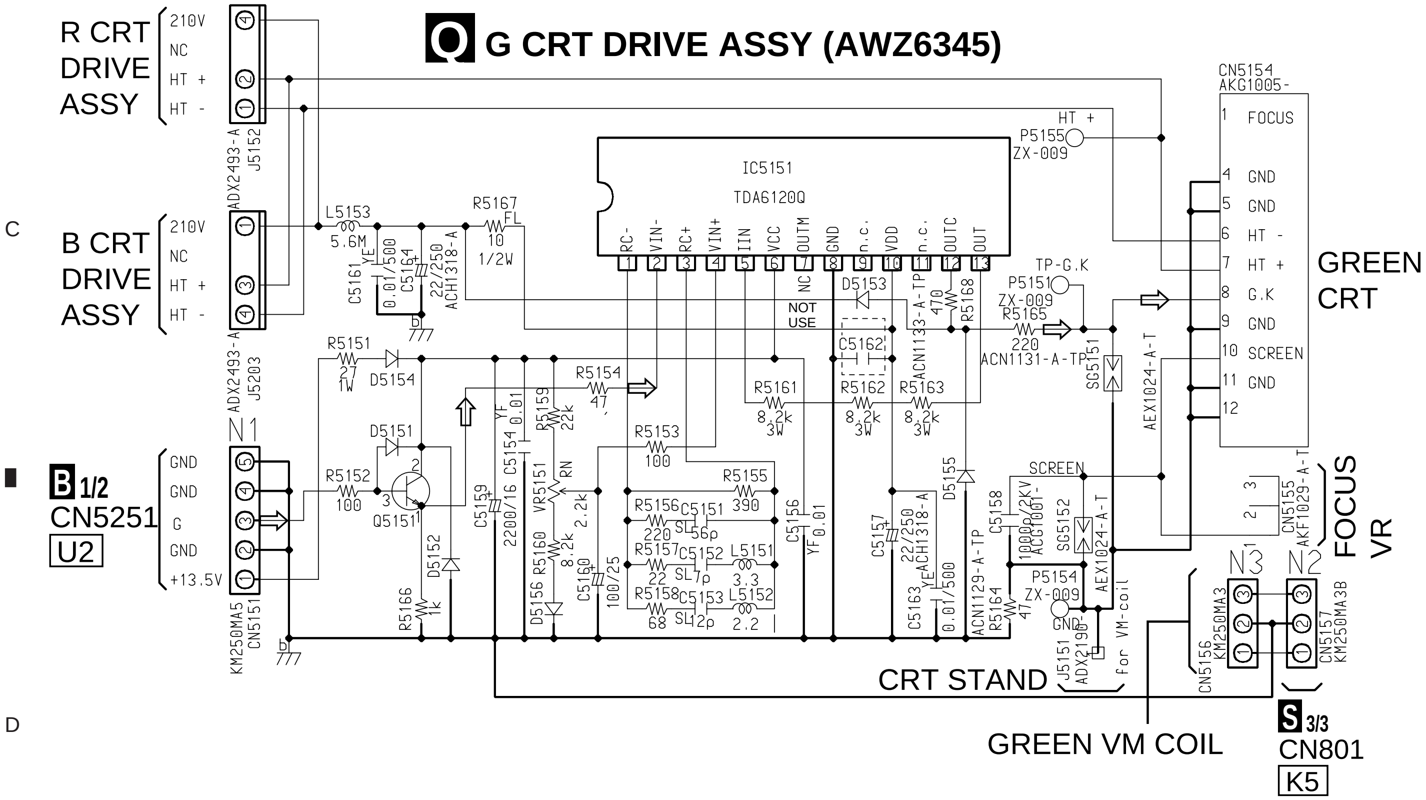
3. The ⚠ mark found on same component parts of indicates the importance of the safety factor of the parts. Therefore,when replacing,be sure to use parts of identical de-signation.

R CRT DRIVE ASSY, G CRT DRIVE ASSY, B CRT DRIVE ASSY

P R CRT DRIVE ASSY (AWZ6344)

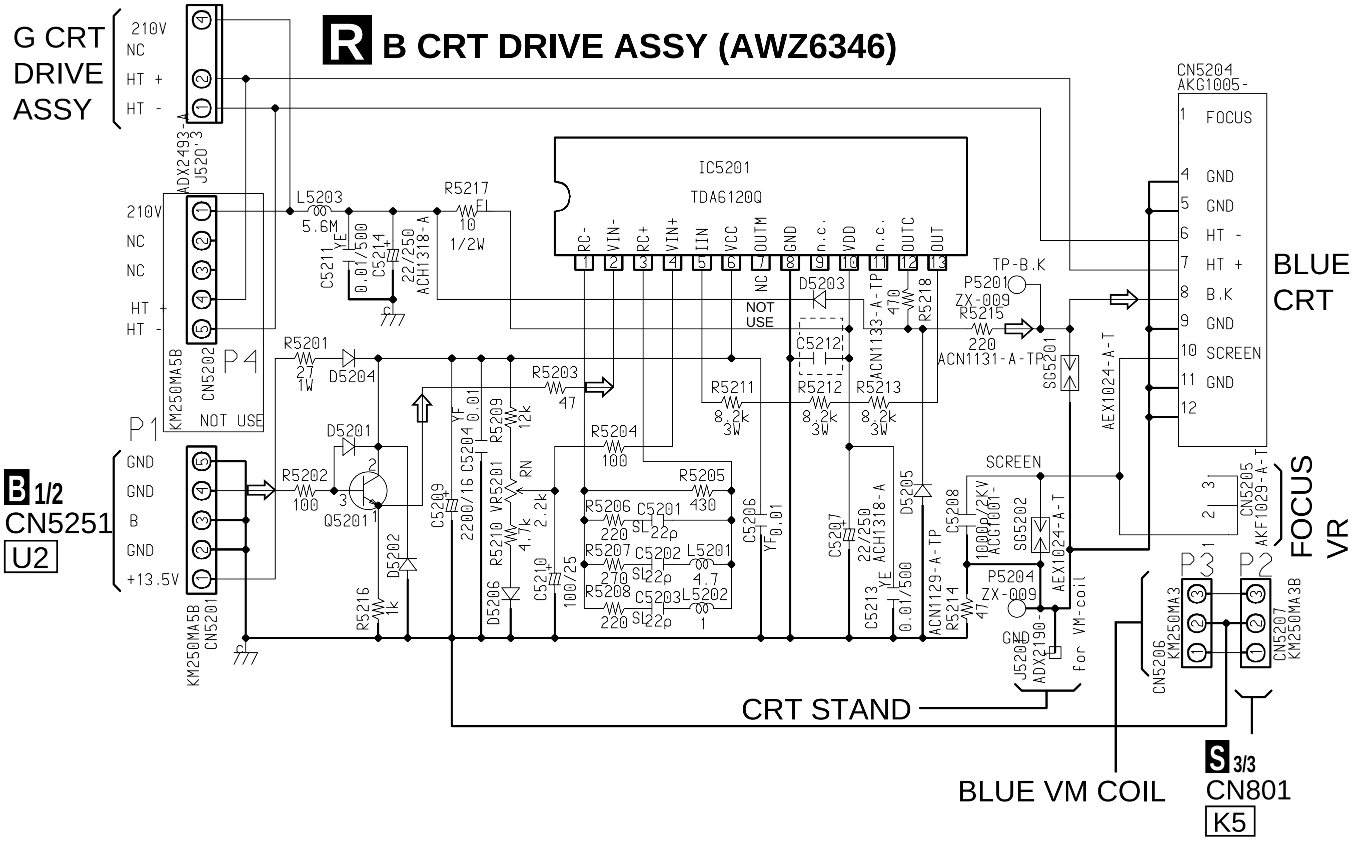

A
B
G CRT DRIVE ASSY
ADX2493-A
J5152
210V
NC
HT +
HT -
S 1/3
CN307
K4
KM250MA5B
CN5102
M3
B 1/2
CN5251
U2
GND
R
+13.5V
M1
KM250MA5R
CN5101
L5103
5.6M
C5111
0.01/500
C5114
22/250
ACH1318-A
R5117
FL
10
1/2W
R5101
27
1W
D5104
D5101
R5102
100
Q5101
D5102
R5103
1k
C5109
2200/16
C5104
YF 0.01
R5110
27k
VR5101
RN
2.2k
R5111
11k
D5106
C5110
100/25
R5104
47
R5105
100
R5106
510
R5107
330
C5101
SL 39p
R5108
47
C5102
SL 7p
L5101
3.3
R5109
68
C5103
SL 12p
L5102
2.2
C5106
YF 0.01
IC5101
TDA6120Q
RC-
VIN-
RC+
VIN+
IIN
VCC
OUTM
GND
n.c.
VDD
OUTC
OUT
NC
NOT USE
D5103
C5112
R5112
8.2k
3W
R5113
8.2k
3W
R5114
8.2k
3W
ACN1133-A-TP
470
R5118
C5107
22/250
ACH1318-A
C5113
0.01/500
D5105
ACN1129-A-TP
R5115
47
C5108
1000p/2KV
ACG7001-
SC5102
AEX1024-A-T
SCREEN
P5104
ZX-009
GND
J5101
ADX2190-
For VM-coil
HT -
P5105
ZX-009
TP-R.K
P5101
ZX-009
R5116
220
ACN1131-A-TP
SC5101
AEX1024-A-T
CN5104
AKG1005-
FOCUS
GND
HT -
HT +
R.K
SCREEN
RED CRT
CN5103
AKF1029-A-T
FOCUS VR
M4
M2
CN5105
KM250MA3
CN5106
KM250MA3R
S 3/3
CN801
K5
CRT STAND
RED VM COIL

Q G CRT DRIVE ASSY (AWZ6345)


C
D
R CRT DRIVE ASSY
210V
NC
HT +
HT -
ADX2493-A
J5152
B CRT DRIVE ASSY
ADX2493-A
J5203
N1
B 1/2
CN5251
U2
GND
G
+13.5V
KM250MA5
CN5151
L5153
5.6M
C5161
0.01/500
C5164
22/250
ACH1318-A
R5167
FL
10
1/2W
R5151
27
1W
D5154
D5151
R5152
100
Q5151
D5152
R5166
1k
C5159
2200/16
C5154
YF 0.01
R5159
22k
VR5151
RN
2.2k
R5160
8.2k
D5156
C5160
100/25
R5154
47
R5153
100
R5155
390
R5156
220
C5151
SL 56p
R5157
22
C5152
SL 7p
L5151
3.3
R5158
68
C5153
SL 12p
L5152
2.2
C5156
YF 0.01
IC5151
TDA6120Q
RC-
VIN-
RC+
VIN+
IIN
VCC
OUTM
GND
n.c.
VDD
OUTC
OUT
NC
NOT USE
D5153
C5162
R5161
8.2k
3W
R5162
8.2k
3W
R5163
8.2k
3W
ACN1133-A-TP
470
R5168
C5157
22/250
ACH1318-A
C5163
0.01/500
D5155
ACN1129-A-TP
R5164
47
C5158
1000p/2KV
ACG7001-
SC5152
AEX1024-A-T
SCREEN
P5154
ZX-009
GND
J5151
ADX2190-
For VM-coil
HT +
P5155
ZX-009
TP-G.K
P5151
ZX-009
R5165
220
ACN1131-A-TP
SC5151
AEX1024-A-T
CN5154
AKG1005-
FOCUS
GND
HT -
HT +
G.K
SCREEN
GREEN CRT
CN5155
AKF1029-A-T
FOCUS VR
N3
N2
CN5156
KM250MA3
CN5157
KM250MA3B
S 3/3
CN801
K5
CRT STAND
GREEN VM COIL

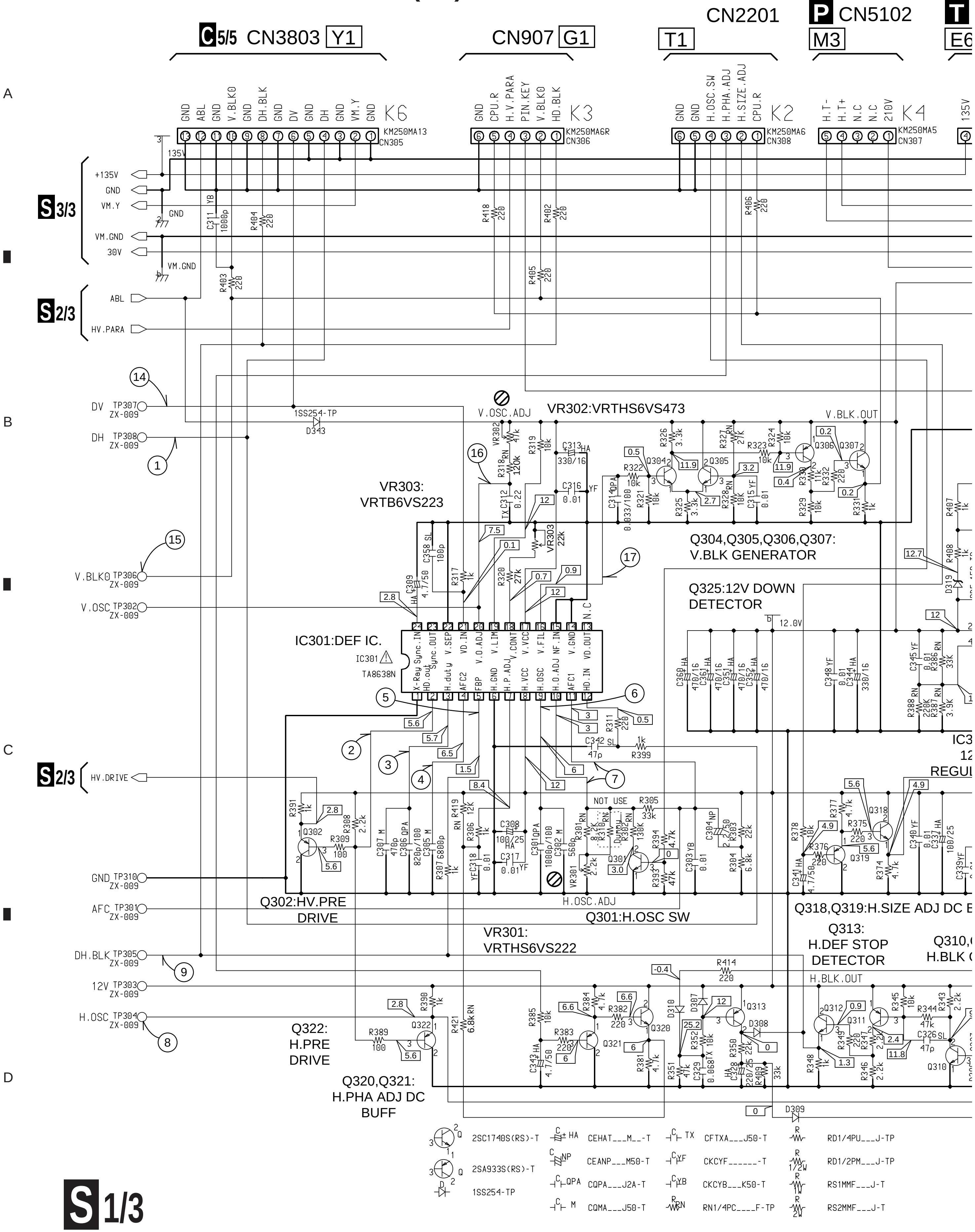
P Q R

R B CRT DRIVE ASSY (AWZ6346)


G CRT DRIVE ASSY
210V
NC
HT +
HT -
ADX2493-A
J5203
210V
NC
NC
HT +
HT -
KM250MA5B
CN5202
P4
NOT USE
P1
B 1/2
CN5251
U2
GND
GND
B
GND
+13.5V
KM250MA5B
CN5201
L5203
5.6M
R5217
FI
10
1/2W
C5211
YE
0.01/500
C5214
22/250
ACH1318-A
IC5201
TDA6120Q
RC-
VIN-
RC+
VIN+
IIN
VCC
OUTM
GND
n.c.
VDD
n.c.
OUTC
OUT
NC
NOT USE
D5203
C5212
R5201
27
1W
D5204
R5203
47
D5201
R5202
100
Q5201
R5216
1k
D5202
C5209
2200/16
C5204
YF
0.01
R5209
12k
VR5201
RN
R5210
4.7k
2.2k
D5206
C5210
100/25
R5204
100
R5205
430
R5206
220
C5201
SL
22p
R5207
270
C5202
SL
22p
L5201
4.7
R5208
220
C5203
SL
22p
L5202
1
C5206
YF
0.01
R5211
8.2k
3W
R5212
8.2k
3W
R5213
8.2k
3W
C5207
22/250
ACH1318-A
C5213
YE
0.01/500
D5205
ACN1129-A-TP
R5214
47
ACN1133-A-TP
470
R5218
TP-B.K
P5201
ZX-009
R5215
220
ACN1131-A-TP
SG5201
AEX1024-A-T
SCREEN
C5208
1000p/2KV
ACG1001-
SG5202
AEX1024-A-T
P5204
ZX-009
GND
J5204
ADX2190-
For VM-coil
CN5204
AKG1005-
1 FOCUS
4 GND
5 GND
6 HT -
7 HT +
8 B.K
9 GND
10 SCREEN
11 GND
12
BLUE CRT
CN5205
AKF1029-A-T
FOCUS VR
P3
KM250MA3
CN5206
P2
CN5207
KM250MA3B
CRT STAND
BLUE VM COIL
S 3/3
CN801
K5

SIGNAL ROUTE
⇨ :R,G or B SIGNAL

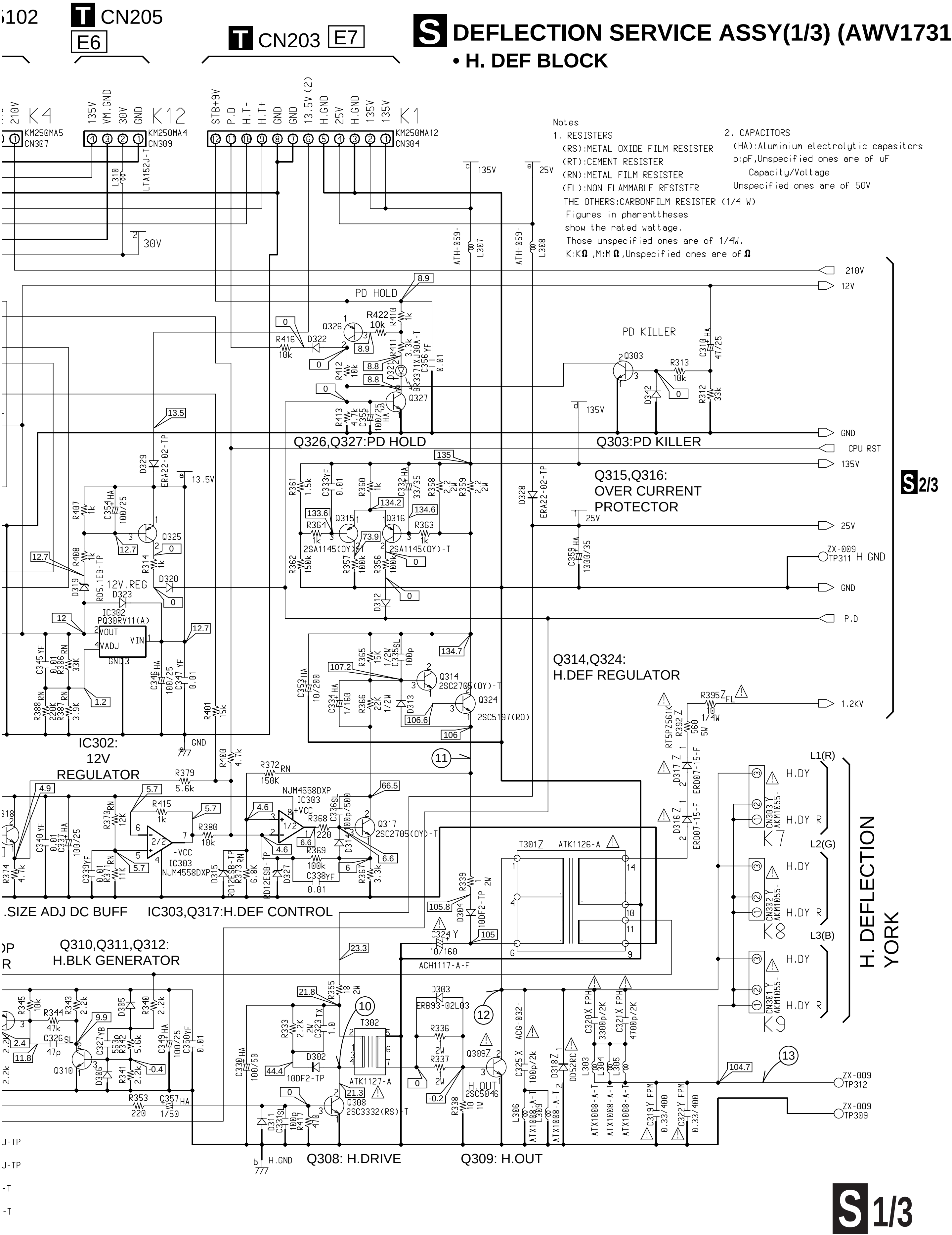
DEFLECTION SERVICE ASSY (1/3)


C5/5 CN3803 Y1
CN907 G1
CN2201 T1
P CN5102 M3
T E6
A
B
C
D
GND ABL GND V.BLKO GND DH.BLK GND DV GND DH GND VM.Y GND K6
KM250MA13 CN305
GND CPU.R H.V.PARA PIN.KEY V.BLKO HD.BLK K3
KM250MA6R CN306
GND GND H.OSC.SW H.PHA.ADJ H.SIZE.ADJ CPU.R K2
KM250MA6 CN308
H.T- H.T+ N.C N.C 210V K4
KM250MA5 CN307
135V
S3/3
+135V
GND
VM.Y
VM.GND
30V
S2/3
ABL
HV.PARA
S2/3
HV.DRIVE
DV TP307 ZX-009
DH TP308 ZX-009
V.BLKO TP306 ZX-009
V.OSC TP302 ZX-009
GND TP310 ZX-009
AFC TP301 ZX-009
DH.BLK TP305 ZX-009
12V TP303 ZX-009
H.OSC TP304 ZX-009
1SS254-TP D343
V.OSC.ADJ
VR302:VRTHS6VS473
V.BLK.OUT
VR303: VRTB6VS223
Q304,Q305,Q306,Q307: V.BLK GENERATOR
Q325:12V DOWN DETECTOR
IC301:DEF IC.
IC301 TA8638N
X-Ray Sync.IN HD.out Sync.OUT V.SEP H.duty AFC2 VD.IN V.O.ADJ FBP V.LIM H.GND V.CONT H.P.ADJ V.VCC H.VCC V.FIL H.OSC NF.IN H.O.ADJ V.GND AFC1 VD.OUT HD.IN N.C
IC3 12 REGUL
NOT USE
H.OSC.ADJ
Q302:HV.PRE DRIVE
Q301:H.OSC SW
VR301: VRTHS6VS222
Q318,Q319:H.SIZE ADJ DC B
Q313: H.DEF STOP DETECTOR
Q310, H.BLK
H.BLK.OUT
Q322: H.PRE DRIVE
Q320,Q321: H.PHA ADJ DC BUFF
2SC1740S(RS)-T
2SA933S(RS)-T
1SS254-TP
CEHAT___M__-T
CEANP___M50-T
CQPA___J2A-T
CQMA___J50-T
CFTXA___J50-T
CKCYF______-T
CKCYB___K50-T
RN1/4PC____F-TP
RD1/4PU___J-TP
RD1/2PM___J-TP
RS1MMF___J-T
RS2MMF___J-T

S 1/3

S DEFLECTION SERVICE ASSY(1/3) (AWV1731)

• H. DEF BLOCK


T CN205 E6
T CN203 E7
K4 KM250MA5 CN307
K12 KM250MA4 CN309
K1 KM250MA12 CN304
STB+9V
P.D
H.T-
H.T+
GND
13.5V(2)
H.GND
25V
135V
VM.GND
30V
210V
PD HOLD
PD KILLER
Q326,Q327:PD HOLD
Q303:PD KILLER
Q315,Q316:
OVER CURRENT
PROTECTOR
Q314,Q324:
H.DEF REGULATOR
IC302:
12V
REGULATOR
12V.REG
IC302 PQ30RV11(A)
.SIZE ADJ DC BUFF
IC303,Q317:H.DEF CONTROL
NJM4558DXP
Q310,Q311,Q312:
H.BLK GENERATOR
Q308: H.DRIVE
Q309: H.OUT
T301 ATK1126-A
T302 ATK1127-A
H. DEFLECTION
YORK
L1(R)
L2(G)
L3(B)
H.DY
H.DY R
CN303 AKM1055-Y K7
CN302 AKM1055-Y K8
CN301 AKM1055-Y K9
210V
12V
GND
CPU.RST
135V
25V
TP311 H.GND
P.D
1.2KV
TP312
TP309
S 2/3

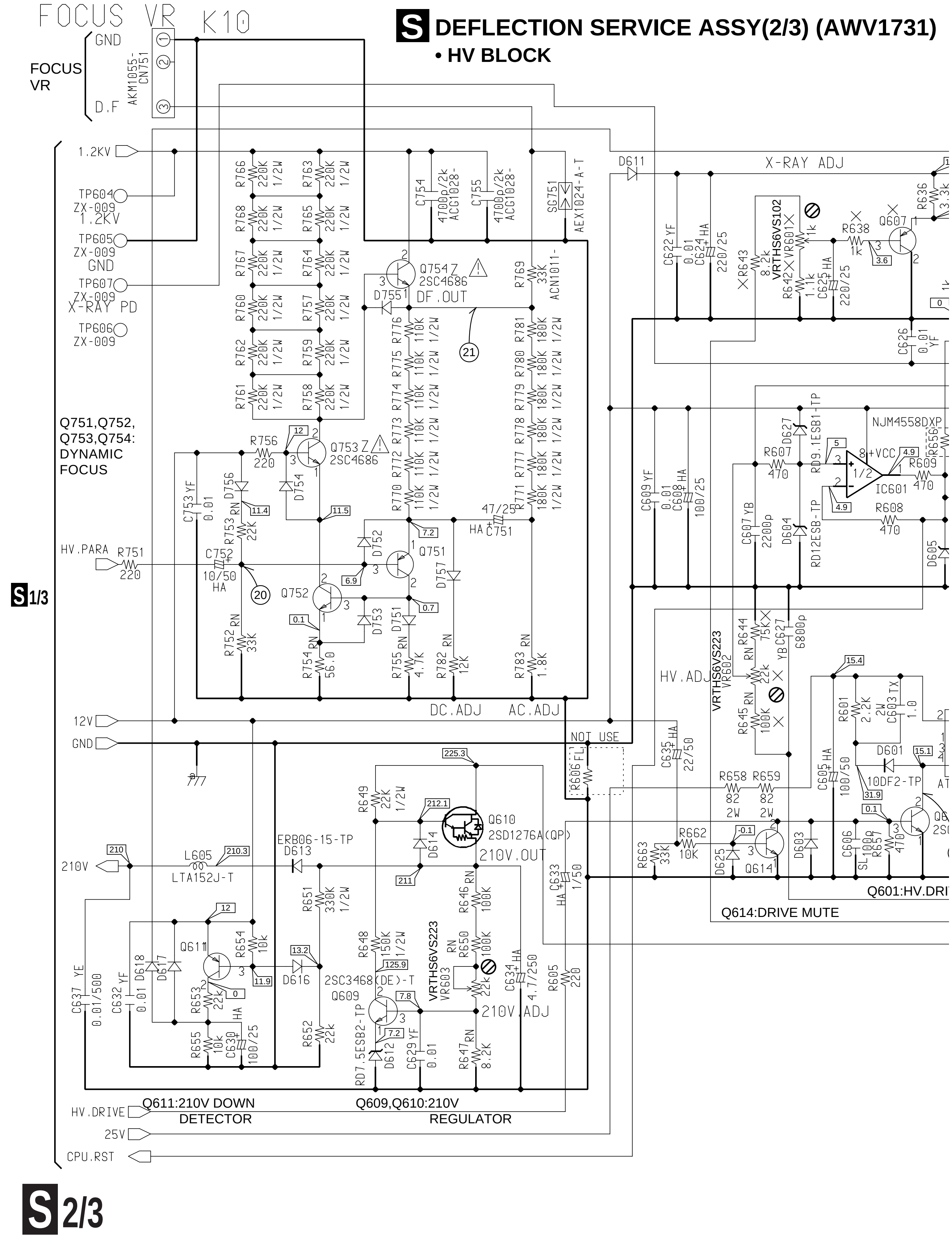
Notes
1. RESISTERS
(RS):METAL OXIDE FILM RESISTER
(RT):CEMENT RESISTER
(RN):METAL FILM RESISTER
(FL):NON FLAMMABLE RESISTER
THE OTHERS:CARBONFILM RESISTER (1/4 W)
Figures in pharenttheses
show the rated wattage.
Those unspecified ones are of 1/4W.
K:KΩ ,M:MΩ ,Unspecified ones are of Ω

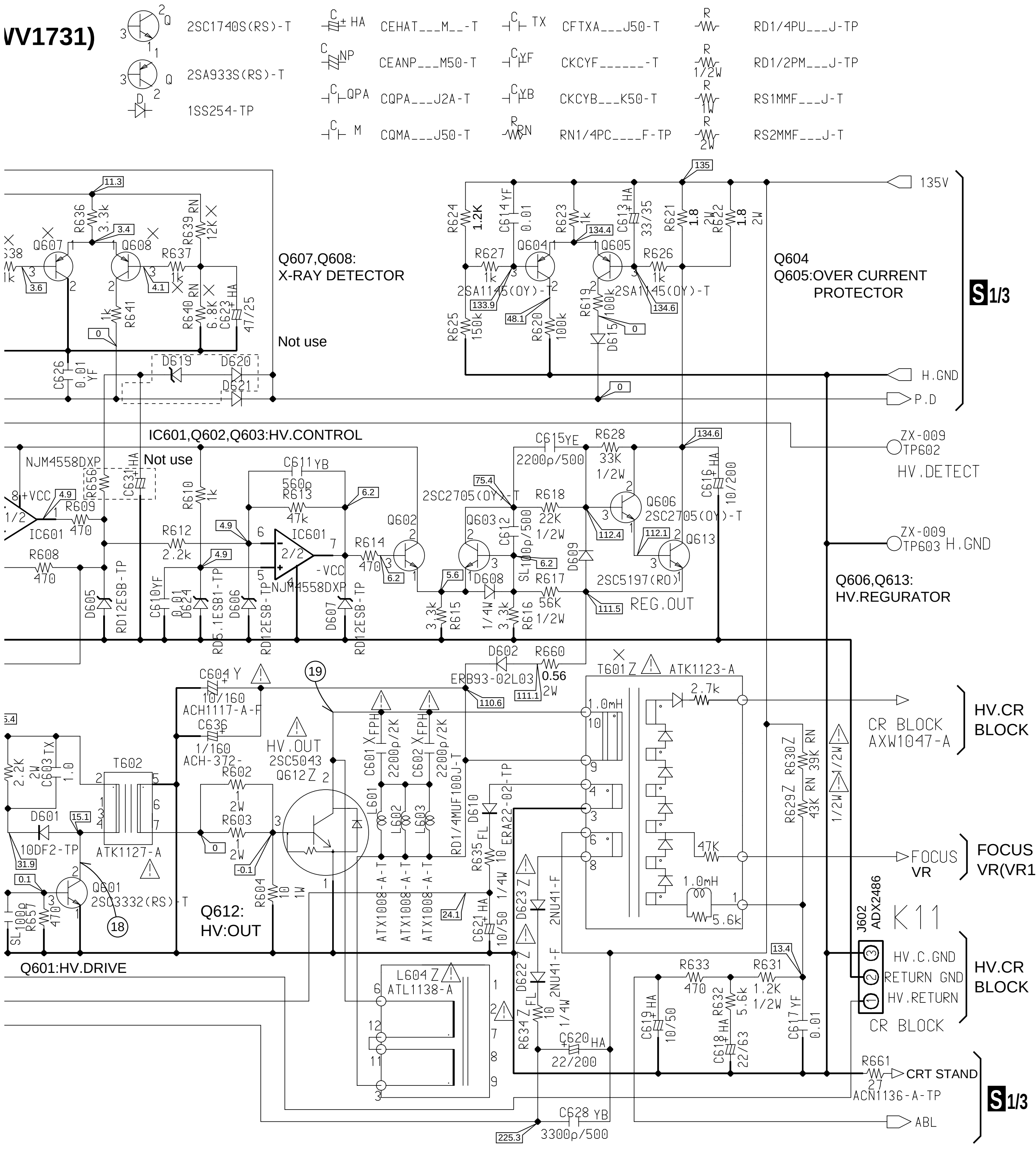
2. CAPACITORS
(HA):Aluminium electrolytic capasitors
p:pF,Unspecified ones are of uF
Capacity/Voltage
Unspecified ones are of 50V

DEFLECTION SERVICE ASSY (2/3)

S DEFLECTION SERVICE ASSY(2/3) (AWV1731)

• HV BLOCK


FOCUS VR K10
GND
D.F
FOCUS VR
AKM1055-CN751
1.2KV
TP604 ZX-009 1.2KV
TP605 ZX-009 GND
TP607 ZX-009 X-RAY PD
TP606 ZX-009
Q751,Q752,
Q753,Q754:
DYNAMIC
FOCUS
HV.PARA
R751 220
C752 10/50 HA
C753 YF 0.01
R756 220
D756
R753 RN 22K
R752 RN 33K
R754 RN 56.0
Q753 2SC4686
D754
Q752
Q751
D752
D753
D751
D757
R755 RN 4.7K
R782 RN 12K
R783 RN 1.8K
R766 220K 1/2W
R763 220K 1/2W
R768 220K 1/2W
R765 220K 1/2W
R767 220K 1/2W
R764 220K 1/2W
R760 220K 1/2W
R757 220K 1/2W
R762 220K 1/2W
R759 220K 1/2W
R761 220K 1/2W
R758 220K 1/2W
C754 4700p/2k ACG1028-
C755 4700p/2k ACG1028-
SG751 AEX1024-A-T
Q754 2SC4686
D7551
DF.OUT
R769 33K ACN1011-
R776 110K 1/2W
R775 110K 1/2W
R774 110K 1/2W
R773 110K 1/2W
R772 110K 1/2W
R770 110K 1/2W
R781 180K 1/2W
R780 180K 1/2W
R779 180K 1/2W
R778 180K 1/2W
R777 180K 1/2W
R771 180K 1/2W
47/25 HA C751
21
20
12
11.4
11.5
7.2
6.9
0.1
0.7
DC.ADJ
AC.ADJ
12V
GND
NOT USE
R606 FL
210V
210
L605 LTA152J-T
210.3
ERB06-15-TP D613
211
225.3
212.1
R649 22K 1/2W
Q610 2SD1276A(QP)
D614
210V.OUT
R651 330K 1/2W
R646 RN 100K
R650 RN 100K
VRTHS6VS223 VR603
C634 HA 4.7/250
210V.ADJ
R605 220
C633 HA 1/50
R648 150K 1/2W
125.9
7.8
Q609 2SC3468(DE)-T
RD7.5ESB2-TP D612
C629 YF 0.01
R647 RN 8.2K
R652 22k
13.2
D616
Q611
12
11.9
0
R654 10k
R653 22k
R655 10k
C630 HA 100/25
D617
D618
C632 YF 0.01
C637 YE 0.01/500
Q611:210V DOWN DETECTOR
Q609,Q610:210V REGULATOR
HV.DRIVE
25V
CPU.RST
S 1/3
D611
X-RAY ADJ
C622 YF 0.01
C624 HA 220/25
R643 8.2k
VRTHS6VS102 VR601 1k
R642 1.1k
C625 HA 220/25
R638 1k
Q607
3.6
R636 3.3k
C626 0.01 YF
NJM4558DXP
D627 RD9.1ESB1-TP
R607 470
5
8 +VCC
4.9
1/2
IC601
R609 470
R608 470
C609 YF 0.01
C608 HA 100/25
C607 YB 2200p
D604 RD12ESB-TP
D605
R656
HV.ADJ
VRTHS6VS223 VR602
R644 RN 75K
R645 RN 100K
C627 YB 6800p
15.4
R601 2.2K 2W
C603 TX 1.0
D601 10DF2-TP
15.1
C635 HA 22/50
C605 HA 100/50
R658 82 2W
R659 82 2W
31.9
0.1
-0.1
R663 33K
R662 10K
D625
Q614
D603
C606 SL 100p
R657 470
Q601:HV.DRI
Q614:DRIVE MUTE
AT


VV1731)
2SC1740S(RS)-T
2SA933S(RS)-T
1SS254-TP
CEHAT___M__-T
CEANP___M50-T
CQPA___J2A-T
CQMA___J50-T
CFTXA___J50-T
CKCYF______-T
CKCYB___K50-T
RN1/4PC____F-TP
RD1/4PU___J-TP
RD1/2PM___J-TP
RS1MMF___J-T
RS2MMF___J-T
Q607,Q608:
X-RAY DETECTOR
Not use
Q604
Q605:OVER CURRENT
PROTECTOR
135V
H.GND
P.D
S1/3
IC601,Q602,Q603:HV.CONTROL
NJM4558DXP
ZX-009 TP602
HV.DETECT
ZX-009 TP603 H.GND
Q606,Q613:
HV.REGURATOR
REG.OUT
T601 ATK1123-A
CR BLOCK AXW1047-A
HV.CR BLOCK
FOCUS VR
FOCUS VR(VR1)
J602 ADX2486
K11
HV.C.GND
RETURN GND
HV.RETURN
CR BLOCK
HV.CR BLOCK
CRT STAND
ACN1136-A-TP
ABL
S1/3
HV.OUT
2SC5043
Q612
Q612:
HV:OUT
T602 ATK1127-A
Q601 2SC3332(RS)-T
Q601:HV.DRIVE
L604 ATL1138-A
ATX1008-A-T
C628 YB 3300p/500

S 2/3

DEFLECTION SERVICE ASSY (3/3)

A

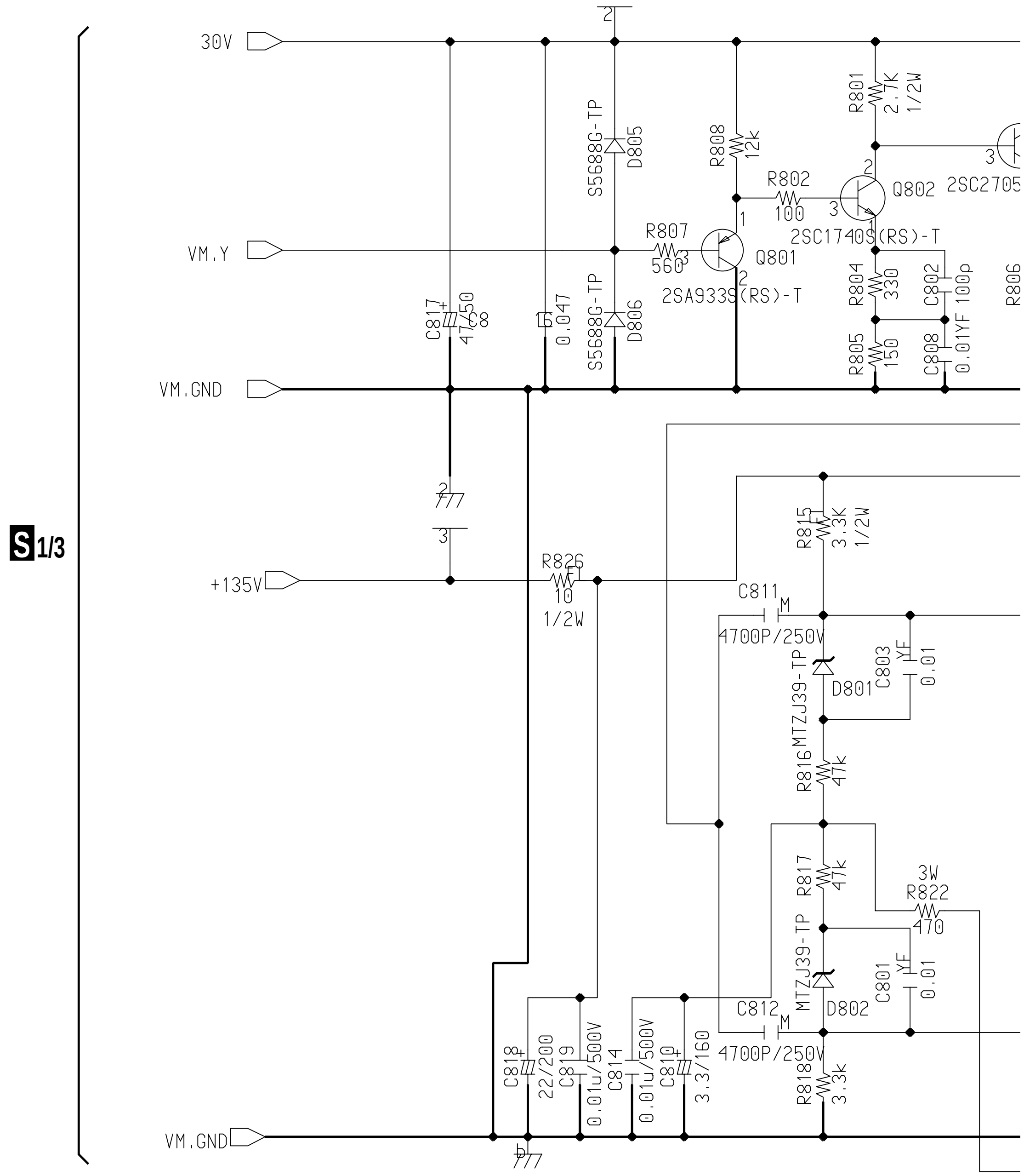
B

C

D

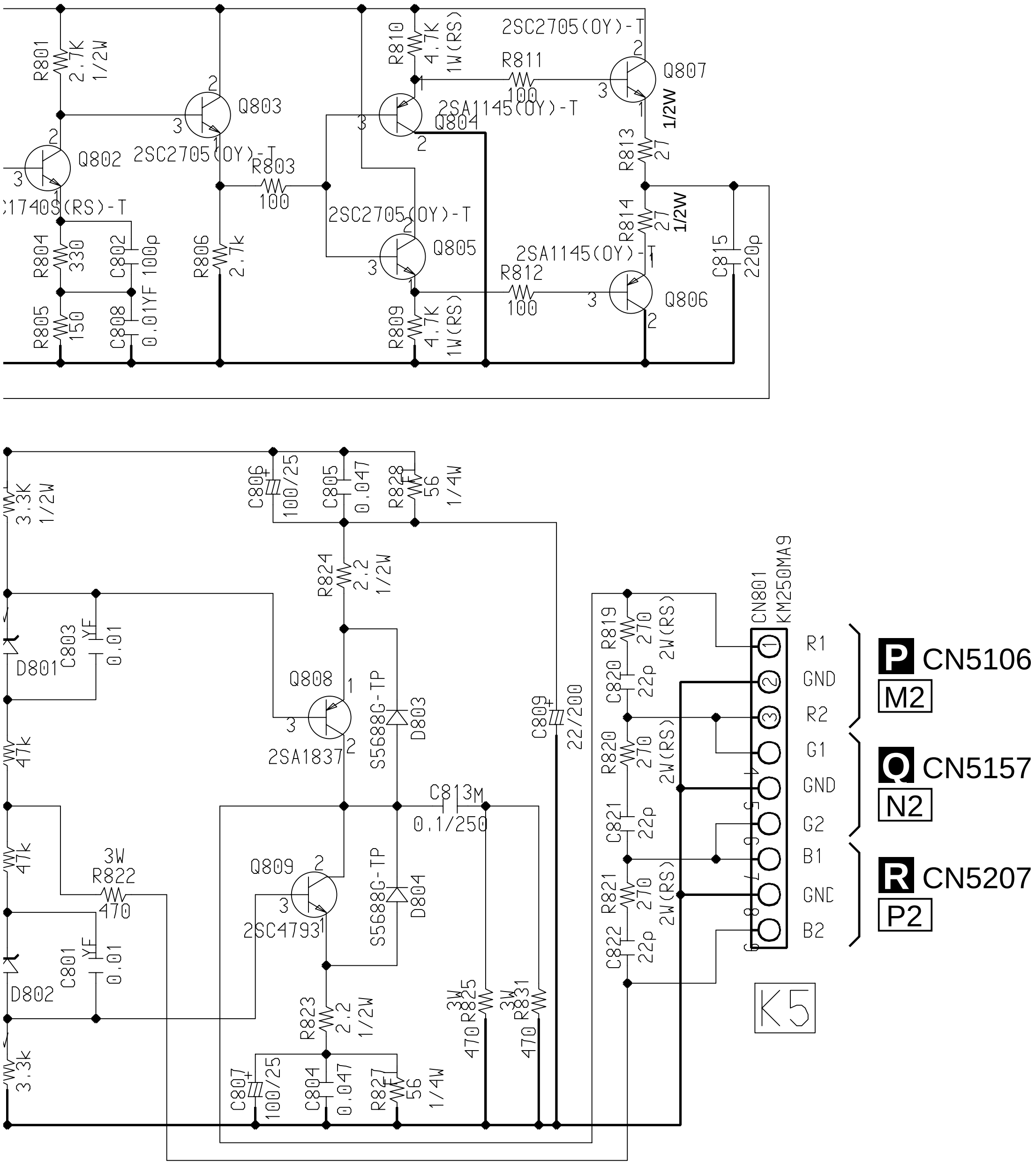
S DEFLECTION SERVICE ASSY(3/3) (AWV1731)

• VM BLOCK


30V
VM.Y
VM.GND
+135V
VM.GND
S 1/3
2
3
2
D805
S5688G-TP
D806
S5688G-TP
C817
47/50
C8
0.047
R808
12k
R807
560
Q801
2SA933S(RS)-T
R802
100
Q802
2SC1740S(RS)-T
2SC2705
R801
2.7K
1/2W
R804
330
R805
150
C802
100p
C808
0.01YF
R806
R826
10
1/2W
R815
3.3K
1/2W
C811
M
4700P/250V
D801
MTZJ39-TP
C803
YF
0.01
R816
47k
R817
47k
R822
3W
470
D802
MTZJ39-TP
C801
YF
0.01
C812
M
4700P/250V
R818
3.3k
C818
22/200
C819
0.01u/500V
C814
0.01u/500V
C810
3.3/160

A

1731)

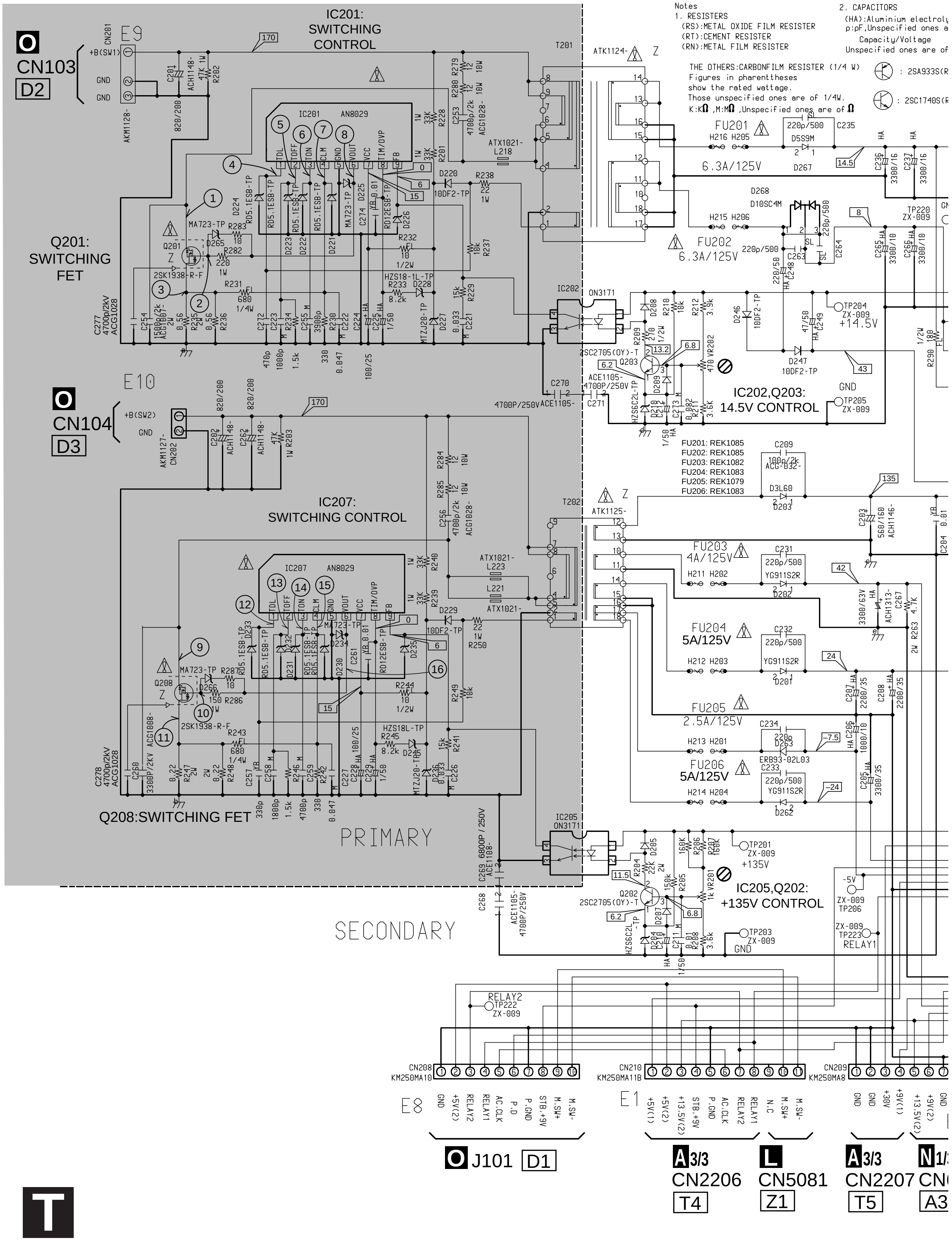

R801
2.7K
1/2W
Q802
C1740S(RS)-T
Q803
2SC2705(OY)-T
R803
100
R804
330
C802
100p
R805
150
C808
0.01YF
R806
2.7k
R810
4.7K
1W(RS)
R811
100
2SC2705(OY)-T
Q807
2SA1145(OY)-T
Q804
1/2W
R813
27
2SC2705(OY)-T
Q805
R814
27
1/2W
2SA1145(OY)-T
R812
100
Q806
C815
220p
R809
4.7K
1W(RS)
3.3K
1/2W
C806
100/25
C805
0.047
R828
56
1/4W
R824
2.2
1/2W
C803
YF
0.01
D801
Q808
2SA1837
S5688G-TP
D803
C809
22/200
47k
47k
C813M
0.1/250
3W
R822
470
Q809
2SC4793
S5688G-TP
D804
C801
YF
0.01
D802
R823
2.2
1/2W
3W
R825
470
3W
R831
470
3.3k
C807
100/25
C804
0.047
R827
56
1/4W
R819
270
2W(RS)
C820
22p
R820
270
2W(RS)
C821
22p
R821
270
2W(RS)
C822
22p
CN801
KM250MA9
R1
GND
R2
G1
GND
G2
B1
GND
B2
P CN5106
M2
Q CN5157
N2
R CN5207
P2
K5

B

C

D

■ POWER SUPPLY ASSY


IC201:
SWITCHING
CONTROL
O CN103 D2
E9
CN201
+B(SW1)
GND
GND
AKM1128-
820/200
C201
ACH1148-
47K 1W
R202
170
T201
ATK1124-
IC201 AN8029
TDL
TOFF
TON
CLM
GND
VOUT
VCC
TIM/OVP
FB
Q201:
SWITCHING
FET
Q201
2SK1938-R-F
MA723-TP
R283 10
D265
R282 220 1W
R231 680 1/4W
D224 RD5.1ESB-TP
D223 D222 D221
MA723-TP D225
C274 0.01 YB
RD12ESB-TP D226
R232 10 1/2W
R237 10k
HZS18-1L-TP
R233 8.2k
D228
R229 15k
MTZJ20-TP D227
C221 0.033
R238 22 1W
D220 10DF2-TP
ATX1021- L218
R201 33K 1W
R228 33K 1W
R253 4700p/2k
ACG1028-
R279 12 10W
R280 12 10W
C277 4700p/2kV ACG1028
C254 1500p/2k ACG1007
R235 0.56 2W
R236 0.56
C272 470p
C223 1000p
R234 1.5k
C255 3900p
R230 330
C222 0.047
C224
C225 100/25
C256 1/50
E10
O CN104 D3
+B(SW2)
GND
AKM1127-
CN202
C202
ACH1148-
C262
R203 47K 1W
R284 12 10W
R285 12 10W
C256 4700p/2k ACG1028-
IC207:
SWITCHING CONTROL
T202
ATK1125-
IC207 AN8029
R240 33K 1W
R239 33K 1W
ATX1021- L223
L221
ATX1021-
D229 10DF2-TP
R250 22 1W
Q208
MA723-TP R287 10
D266
150 R286
2SK1938-R-F
R243 680 1/4W
D233 RD5.1ESB-TP
D232 D231
D234
D230
C261
D235
R244 10 1/2W
R249 10k
HZS18L-TP
R245 8.2k D245
R241 15k
D236 MTZJ20-TP
C226 0.033
C278 4700p/2kV ACG1028
C260 3300P/2KV ACG1008-
R247 0.22 2W
R248 0.22 2W
C257 330p
C258 1000p
R246 1.5k
C259 4700p
R242 330
C227 0.047
C228 100/25
C229 1/50
Q208:SWITCHING FET
PRIMARY
SECONDARY
IC202 ON3171
IC205 ON3171
C270 ACE1105- 4700P/250V
C271
C269 6800P/250V ACE1108-
C268 ACE1105- 4700P/250V
FU201
H216 H205
220p/500 C235
D5S9M D267
6.3A/125V
FU202 6.3A/125V
H215 H206
D268 D10SC4M
220p/500 C263
C264
C248 220/50
C236 3300/16
C237 3300/16
C265 3300/10
C266 3300/10
TP220 ZX-009
TP204 ZX-009 +14.5V
TP205 ZX-009
D208 R210 270 1/2W
R212 3.9k
R209 10k
D246 10DF2-TP
C249 47/50
D247 10DF2-TP
2SC2705(OY)-T Q203
VR202 470
D209
HZS6C2L-TP
R211 3.6k
C213
C212 1/50
R290 180 1/2W
IC202,Q203:
14.5V CONTROL
GND
13.2
6.8
6.2
43
14.5
8
FU201: REK1085
FU202: REK1085
FU203: REK1082
FU204: REK1083
FU205: REK1079
FU206: REK1083
C209 100p/2k ACG-032-
D3L60 D203
135
C203 560/160 ACH1146-
C204 0.01
FU203 4A/125V
H211 H202
C231 220p/500 YG911S2R D202
42
C267 3300/63V ACH1313-
R263 4.7K 2W
FU204 5A/125V
H212 H203
C232 220p/500 YG911S2R D201
24
C207 2200/35
C208 2200/35
FU205 2.5A/125V
H213 H201
C234 220p D263 ERB93-02L03
-7.5
C206 1000/10
FU206 5A/125V
H214 H204
C233 220p/500 YG911S2R D262
-24
C205 3300/35
D205
R206 150K
R207 150K
R204 22K 2W
R205 150k
VR201 1k
TP201 ZX-009 +135V
2SC2705(OY)-T Q202
D207
HZS6C2L-TP
D204
C210
C211
R208 3.6k
TP203 ZX-009
GND
11.5
6.8
6.2
IC205,Q202:
+135V CONTROL
-5V
ZX-009 TP206
ZX-009 TP223
RELAY1
RELAY2
TP222 ZX-009
CN208 KM250MA10
E8
GND
+5V(2)
RELAY2
RELAY1
AC.CLK
P.D
P.GND
STB.+9V
M.SW+
M.SW-
CN210 KM250MA11B
E1
+5V(1)
+5V(2)
+13.5V(2)
STB.+9V
P.GND
AC.CLK
RELAY2
RELAY1
N.C
M.SW+
M.SW-
CN209 KM250MA8
GND
GND
+30V
+9V(1)
+13.5V(2)
+9V(2)
GND
O J101 D1
A 3/3 CN2206 T4
L CN5081 Z1
A 3/3 CN2207 T5
N 1/ CN A3
A
B
C
D

Notes
1. RESISTERS
(RS):METAL OXIDE FILM RESISTER
(RT):CEMENT RESISTER
(RN):METAL FILM RESISTER
THE OTHERS:CARBONFILM RESISTER (1/4 W)
Figures in pharentheses
show the rated wattage.
Those unspecified ones are of 1/4W.
K:kΩ ,M:MΩ ,Unspecified ones are of Ω

2. CAPACITORS
(HA):Aluminium electroly
p:pF,Unspecified ones a
Capacity/Voltage
Unspecified ones are of

: 2SA933S(R
: 2SC1740S(R

T

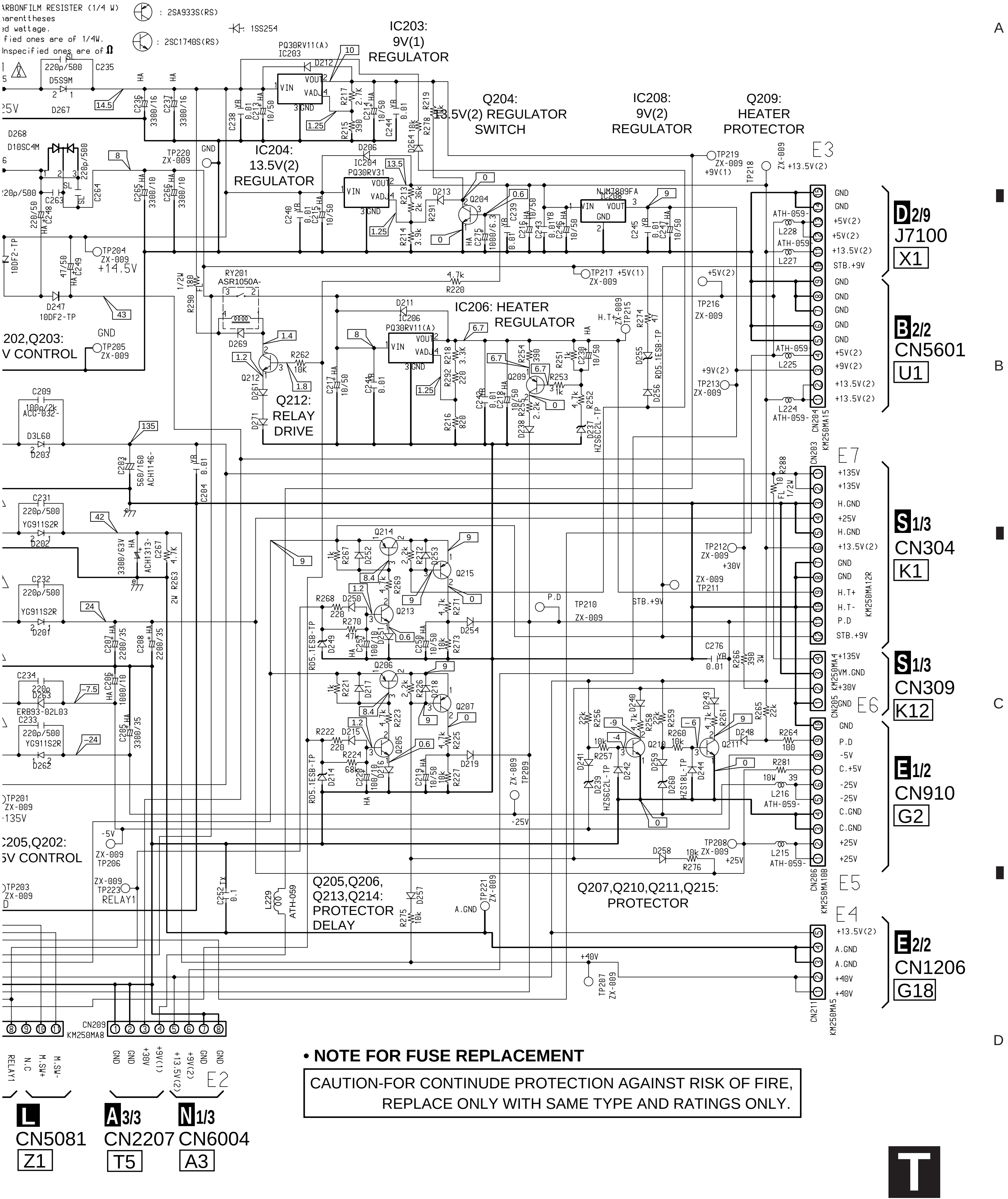
ɔE FILM RESISTER
SISTER
M RESISTER

ARBONFILM RESISTER (1/4 W)
arentheses
ed wattage.
fied ones are of 1/4W.
Inspecified ones are of Ω

2. CAPACITORS
(HA):Aluminium electrolytic capasitors
p:pF,Unspecified ones are of uF
Capacity/Voltage
Unspecified ones are of 50V

3. The ⚠ mark found on same component parts of indicates the importance of the safety factor of the parts. Therefore,when replacing,be sure to use parts of identical de-signation.

T POWER SUPPLY ASSY (AWV1710)


: 2SA933S(RS)
: 2SC1740S(RS)
1SS254
IC203: 9V(1) REGULATOR
PQ30RV11(A) IC203
Q204: 13.5V(2) REGULATOR SWITCH
IC208: 9V(2) REGULATOR
Q209: HEATER PROTECTOR
IC204: 13.5V(2) REGULATOR
PQ30RV31
NJM7809FA IC208
IC206: HEATER REGULATOR
PQ30RV11(A)
RY201 ASR1050A-
Q212: RELAY DRIVE
202,Q203: V CONTROL
205,Q202: 5V CONTROL
Q205,Q206, Q213,Q214: PROTECTOR DELAY
Q207,Q210,Q211,Q215: PROTECTOR
D5S9M
D10SC4M
D3L60
YG911S2R
ERB93-02L03
10DF2-TP
TP204 ZX-009 +14.5V
TP205 ZX-009
TP201 ZX-009 -135V
TP206 ZX-009 -5V
TP203 ZX-009
TP223 ZX-009 RELAY1
TP219 ZX-009 +9V(1)
TP220 ZX-009
TP217 +5V(1) ZX-009
TP215 H.T+
TP216 ZX-009
TP213 ZX-009
TP212 ZX-009 +30V
TP211 ZX-009
TP210 ZX-009 P.D
TP209 ZX-009 -25V
TP221 ZX-009 A.GND
TP208 ZX-009 +25V
TP207 ZX-009 +40V
E3
GND
GND
+5V(2)
+5V(2)
+13.5V(2)
STB.+9V
GND
GND
GND
GND
GND
+5V(2)
+9V(2)
+13.5V(2)
+13.5V(2)
CN204 KM250MA15
D 2/9
J7100
X1
B 2/2
CN5601
U1
E7
+135V
+135V
H.GND
+25V
H.GND
+13.5V(2)
GND
GND
H.T+
H.T-
P.D
STB.+9V
CN203 KM250MA12R
S 1/3
CN304
K1
+135V
VM.GND
+30V
GND
CN205 KM250MA4
E6
S 1/3
CN309
K12
GND
P.D
-5V
C.+5V
-25V
-25V
C.GND
C.GND
+25V
+25V
CN206 KM250MA10B
E5
E 1/2
CN910
G2
E4
+13.5V(2)
A.GND
A.GND
+40V
+40V
CN211 KM250MA5
E 2/2
CN1206
G18
CN209 KM250MA8
RELAY1
N.C
M.SW+
M.SW-
GND
GND
+30V
+9V(1)
+13.5V(2)
+9V(2)
GND
GND
E2
L
CN5081
Z1
A 3/3
CN2207
T5
N 1/3
CN6004
A3

• NOTE FOR FUSE REPLACEMENT

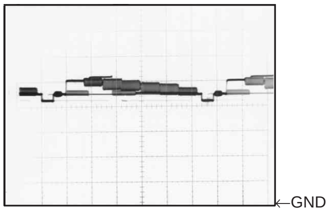
CAUTION-FOR CONTINUDE PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

WAVEFORMS AND VOLTAGES

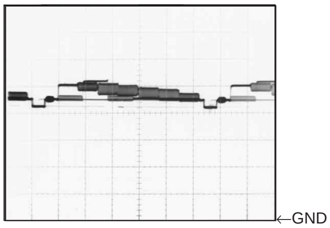
A TUNER µ-COM ASSY

Input signal
Video signal: Color bar
Picture quality: Standard
Range: DC range (Unless otherwise noted)

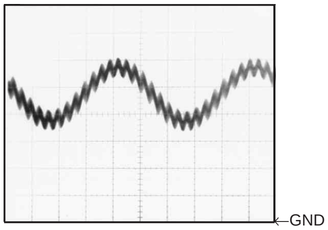
① K2701-pin18
V : 1V/div H : 10µsec/div



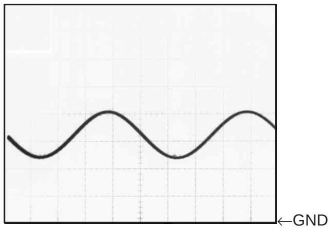
② J2703-pin9
V :1V/div H : 10µsec/div



③ J2703-pin2,7
V : 1V/div H : 0.2msec/div



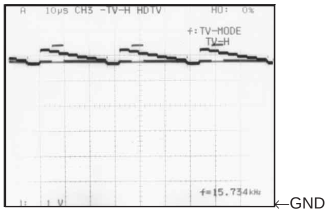
④ K2701-pin14
V : 1V/div H : 0.2msec/div



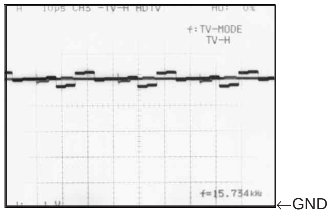
B VIDEO ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

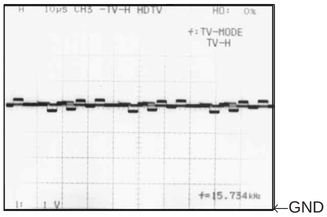
① Q5256 Emitfer
V : 1V/div H : 10µsec/div



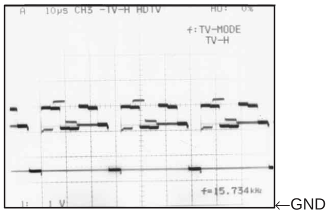
② Q5254 Emitfer
V : 1V/div H : 10µsec/div



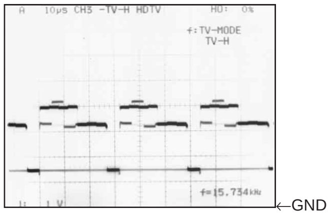
③ Q5255 Emitfer
V : 1V/div H : 10µsec/div



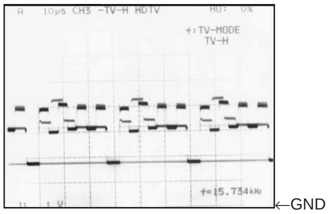
④ P5252
V : 1V/div H : 10µsec/div



⑤ P5253
V : 1V/div H : 10µsec/div



⑥ P5254
V : 1V/div H : 10µsec/div

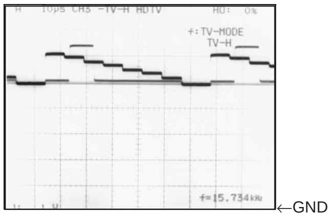


C SUB VIDEO ASSY

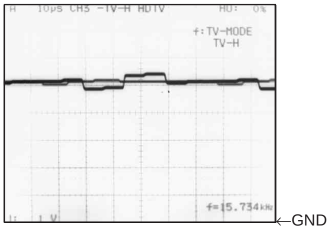
Input signal

Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

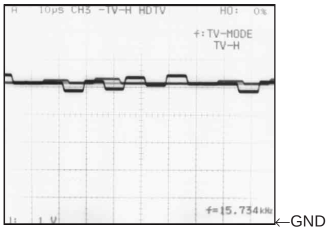
① K4001 (Y)
V : 1V/div H : 10µsec/div



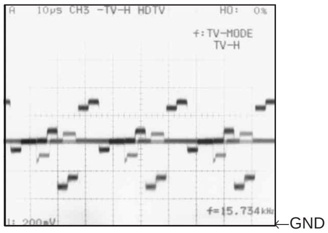
② K4002 (R-Y)
V : 1V/div H : 10µsec/div



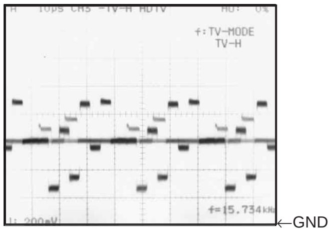
③ IK4003 (B-Y)
V : 1V/div H : 10µsec/div



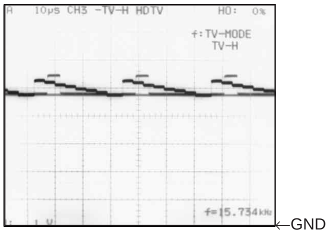
④ K4704 (R-Y)
V : 0.2V/div H : 10µsec/div



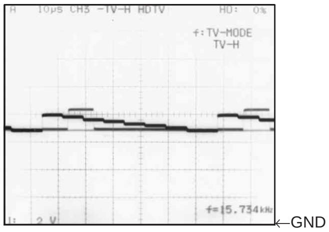
⑤ K4705 (B-Y)
V : 0.2V/div H : 10µsec/div



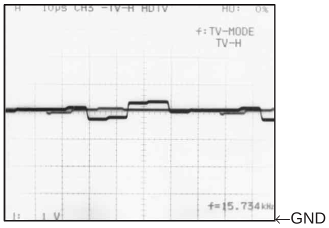
⑥ K4706 (Y)
V : 1V/div H : 10µsec/div



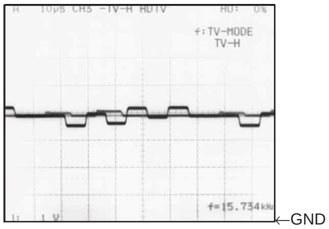
⑦ K4201 (Y)
V : 2V/div H : 10µsec/div



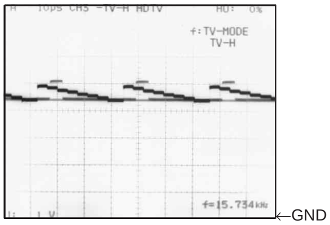
⑧ K4202 (R-Y)
V : 1V/div H : 10µsec/div



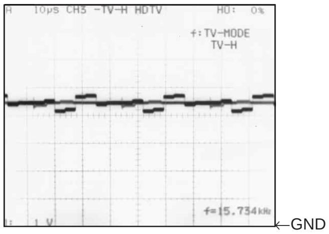
⑨ K4203 (B-Y)
V : 1V/div H : 10µsec/div



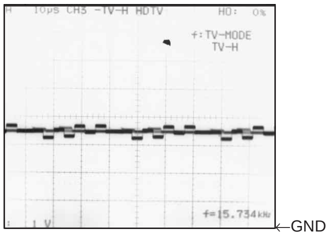
⑩ K4401 (Y)
V : 1V/div H : 10µsec/div



⑪ K4402 (R-Y)
V : 1V/div H : 10µsec/div



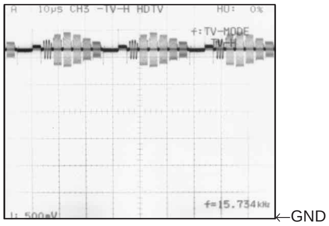
⑫ K4403 (B-Y)
V : 1V/div H : 10µsec/div



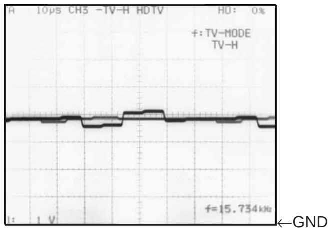
D SIGNAL ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

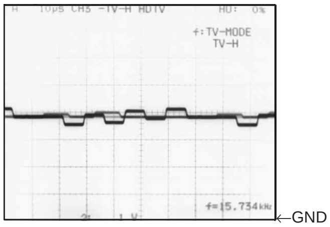
⑬ K4404 (VM-Y)
V : 0.5V/div H : 10μsec/div



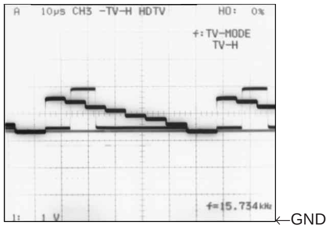
⑭ CN3801-pin36 (SR-Y)
V : 1V/div H : 10μsec/div



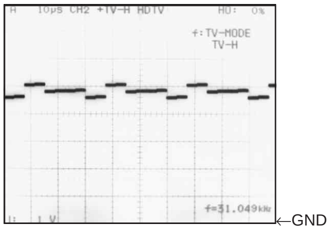
⑮ CN3801-pin37 (SB-Y)
V : 1V/div H : 10μsec/div



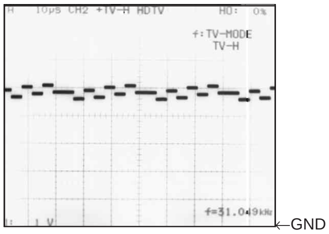
⑯ CN3801-pin38 (SY)
V : 1V/div H : 10μsec/div



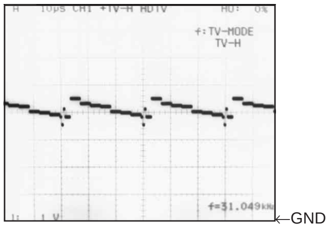
⑰ CN3802-pin38 (R-Y) *1
V : 1V/div H : 10μsec/div



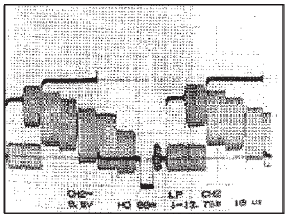
⑱ CN3802-pin39 (B-Y) *1
V : 1V/div H : 10μsec/div



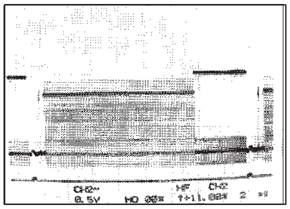
⑲ CN3802-pin40 (DV-Y) *1
V : 1V/div H : 10μsec/div



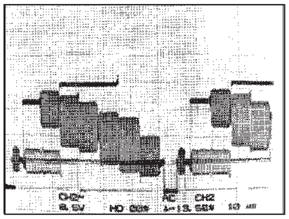
① J7001-pin6 (H)
V : 0.5V/div H : 10μsec/div



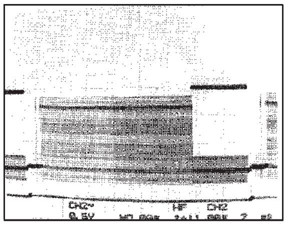
① J7001-pin6 (V)
V : 0.5V/div H : 2msec/div



② J7001-pin2 (H)
V : 0.5V/div H : 10μsec/div

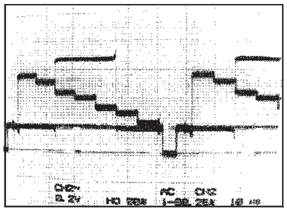


② J7001-pin2 (V)
V : 0.5V/div H : 2msec/div

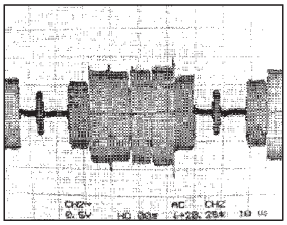


*1 INPUT SIGNAL
㊎~ ㊵: 33.75kHz, FULL COLOR BAR

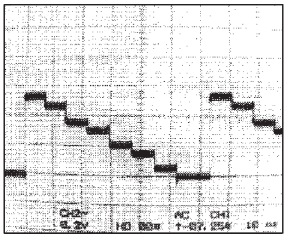
③ IC7001-pin1
V : 0.2V/div H : 10µsec/div



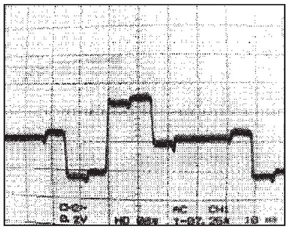
④ IC7001-pin7
V : 0.5V/div H : 10µsec/div



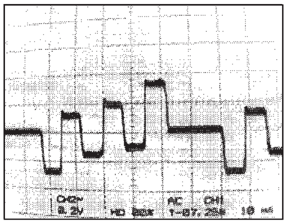
⑤ Q7118-Emitter
V : 0.2V/div H : 10µsec/div



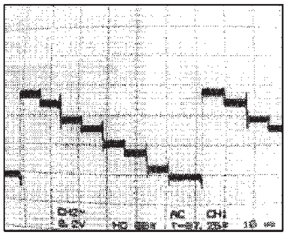
⑥ Q7106-Emitter
V : 0.2V/div H : 10µsec/div



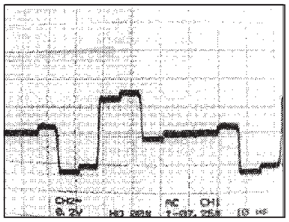
⑦ Q7105-Emitter
V : 0.2V/div H : 10µsec/div



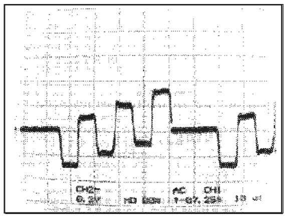
⑧ Q7309-Emitter
V : 0.2V/div H : 10µsec/div



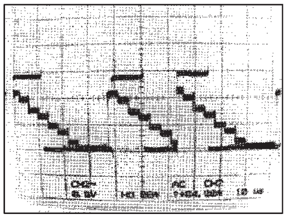
⑨ Q7304-Emitter
V : 0.2V/div H : 10µsec/div



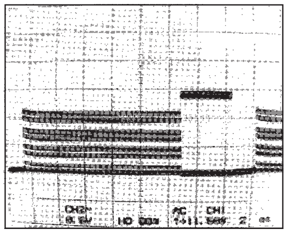
⑩ Q7303-Emitter
V : 0.2V/div H : 10µsec/div



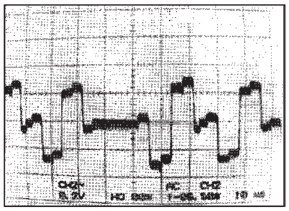
⑪ CN7800-pin10 (SY)(H)
V : 0.5V/div H : 10µsec/div



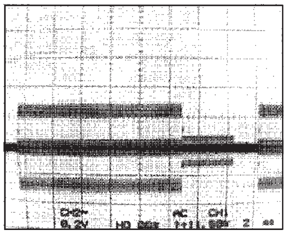
⑪ CN7800-pin10 (SY)(V)
V : 0.5V/div H : 2msec/div



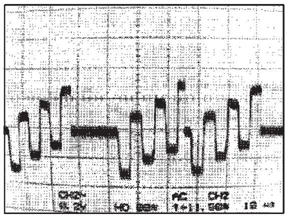
⑫ CN7800-pin8 (SR-Y)(H)
V : 0.2V/div H : 10µsec/div



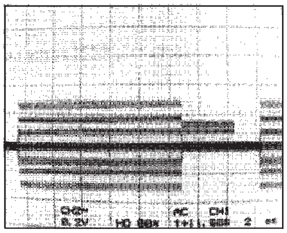
⑫ CN7800-pin8 (SR-Y)(V)
V : 0.5V/div H : 2msec/div



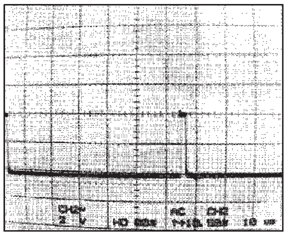
⑬ CN7800-pin9 (SB-Y)(H)
V : 0.2V/div H : 10µsec/div



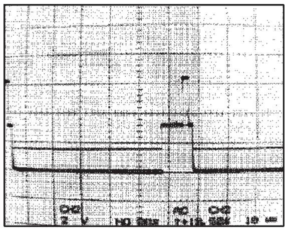
⑬ CN7800-pin9 (SB-Y)(V)
V : 0.2V/div H : 2msec/div



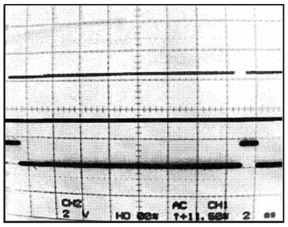
⑭ CN7800-pin15
V : 2V/div H : 10µsec/div



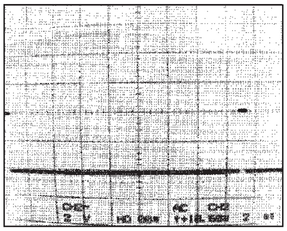
⑮ CN7800-pin14 (SCPO)(H)
V : 2V/div H : 10µsec/div



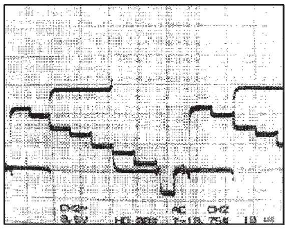
⑮ CN7800-pin14 (SCPO)(V)
V : 2V/div H : 2msec/div



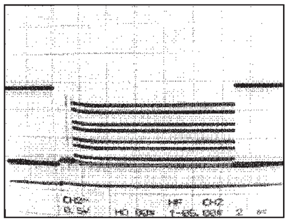
⑯ CN7800-pin13
V : 2V/div H : 2msec/div



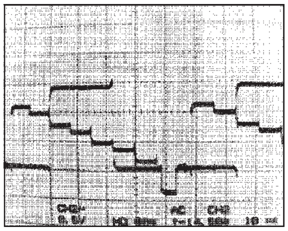
⑰ CN7600-pin18,40 (MCCY)(H)
V : 0.5V/div H : 10µsec/div



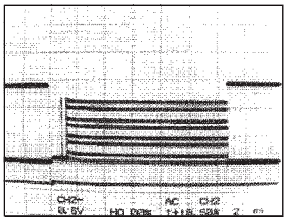
⑰ CN7600-pin18,40 (MCCY)(V)
V : 0.5V/div H : 2msec/div



⑱ CN7600-pin16 (SCCY)(H)
V : 0.5V/div H : 10µsec/div



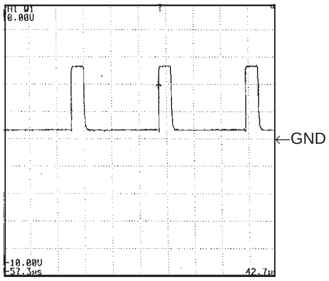
⑱ CN7600-pin16 (SCCY)(V)
V : 0.5V/div H : 2msec/div



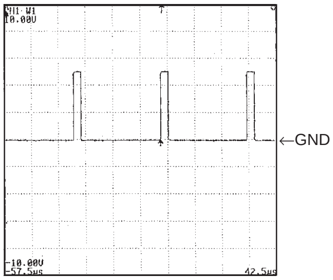
E AMP ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

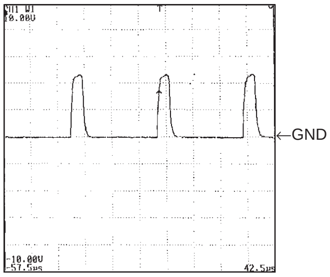
① IC911-pin4
V : 2V/div H : 10µsec/div



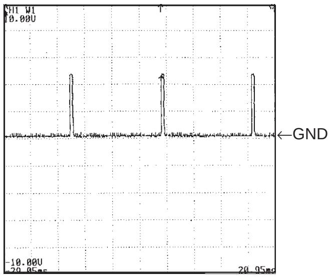
② IC913-pin10
V : 2V/div H : 10µsec/div



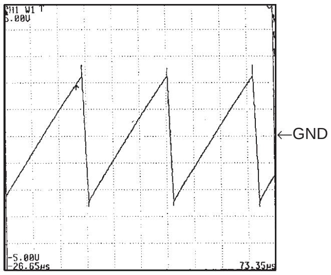
③ IC911-pin10
V : 2V/div H : 10µsec/div



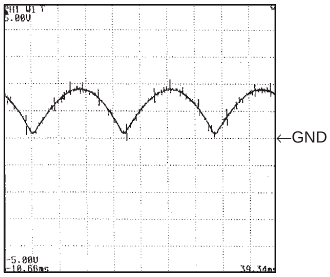
④ R1047
V : 2V/div H : 5msec/div



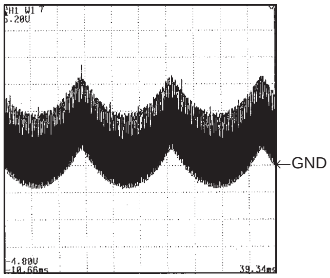
⑤ C1011
V : 1V/div H : 10µsec/div



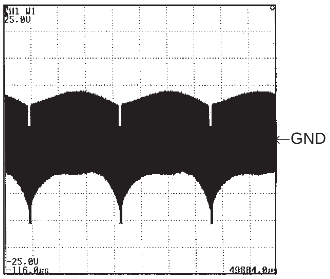
⑥ R958
V : 1V/div H : 5msec/div



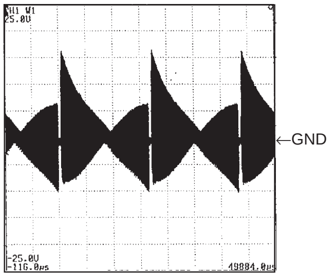
⑦ D934-Anode
V : 1V/div H : 5msec/div



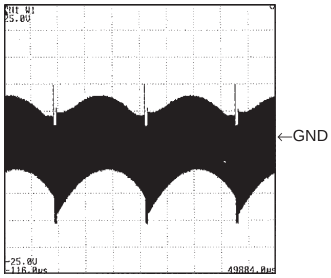
⑧ IC903-pin22
V : 5V/div H : 5msec/div



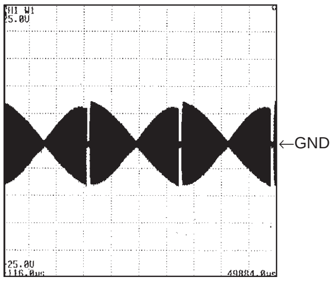
⑨ IC904-pin20
V : 5V/div H : 5msec/div



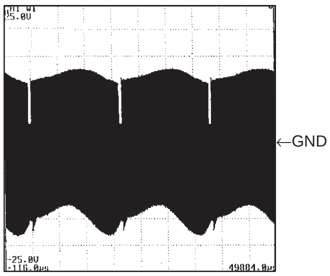
⑩ IC904-pin22
V : 5V/div H : 5msec/div



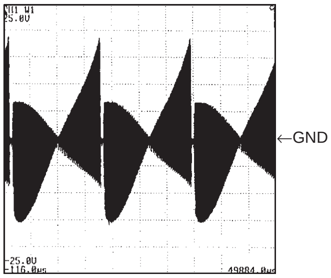
⑪ IC904-pin21
V : 5V/div H : 5msec/div



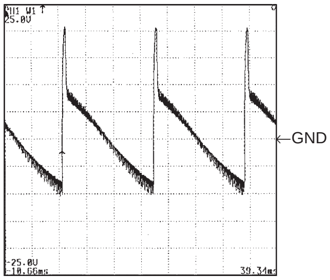
⑫ IC903-pin20
V : 5V/div H : 5msec/div



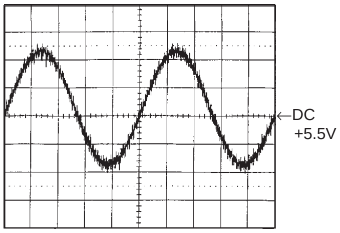
⑬ IC903-pin21
V : 5V/div H : 5msec/div



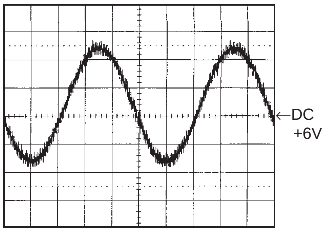
⑭ R902
V : 5V/div H : 5msec/div



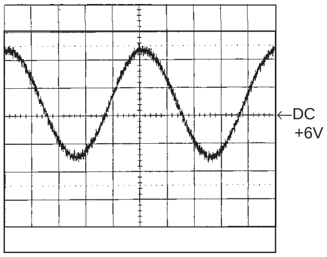
⑮ CN1201-pin4
V : 0.2V/div H : 0.2msec/div



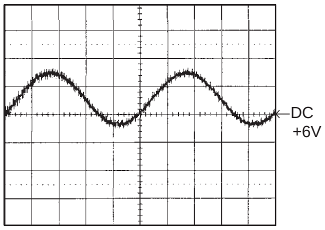
⑯ IC1204-pin22
V : 0.2V/div H : 0.2msec/div



⑰ IC1204-pin12
V : 0.2V/div H : 0.2msec/div

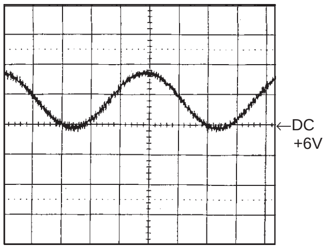


⑱ IC1201-pin26
V : 0.2V/div H : 0.2msec/div

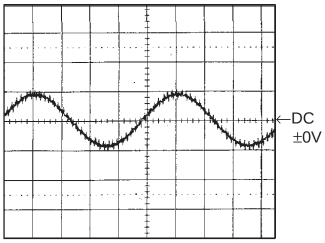


⑲ IC1201-pin14

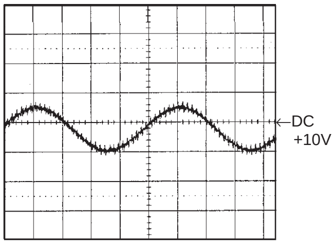
⑳ IC1201-pin17
V : 0.2V/div H : 0.2msec/div



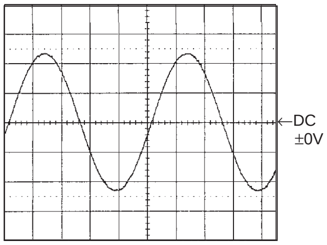
㉑ C1202 (–)
V : 0.2V/div H : 0.2msec/div



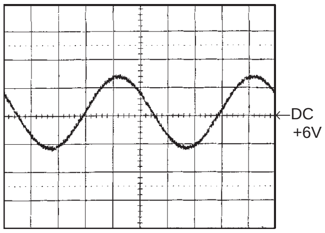
㉒ D1240-Anode
V : 0.2V/div H : 0.2msec/div



㉓ CN1202-pin5
V : 5V/div H : 0.2msec/div



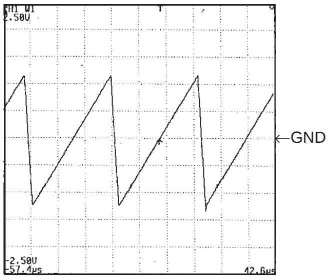
㉔ D1210- Cathode
V : 1.5V/div H : 0.2msec/div



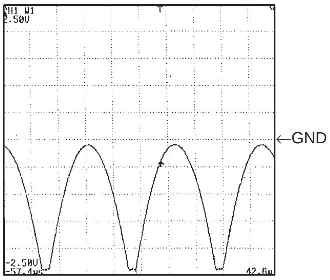
F CONVER.DAC ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

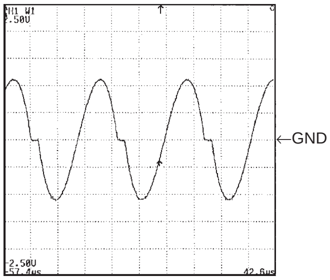
① IC1401-pin4
V : 0.5V/div H : 10μsec/div



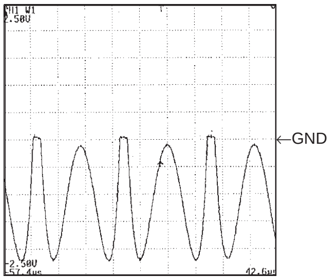
② IC1401-pin5
V : 0.5V/div H : 10μsec/div



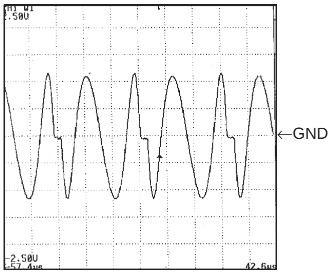
③ IC1401-pin6
V : 0.5V/div H : 10μsec/div



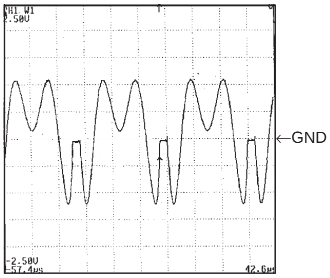
④ IC1401-pin7
V : 0.5V/div H : 10μsec/div



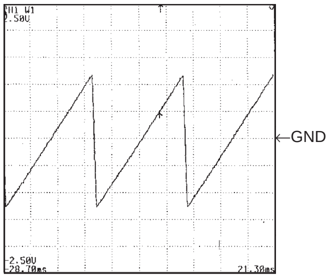
⑤ CI1401-pin8
V : 0.5V/div H : 10μsec/div



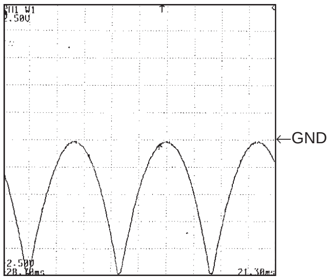
⑥ IC1401-pin10
V : 0.5V/div H : 10μsec/div



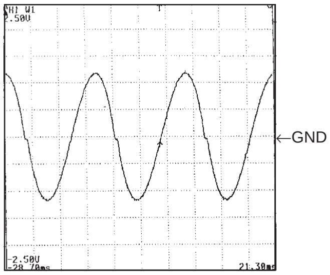
⑦ IC1402-pin4
V : 0.5V/div H : 5msec/div



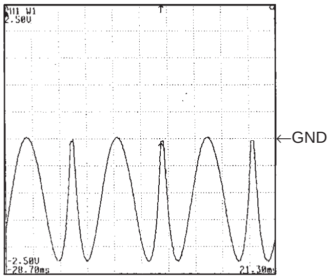
⑧ IC1402-pin5
V : 0.5V/div H : 5msec/div



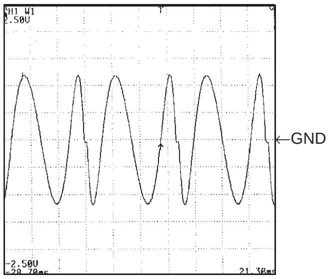
⑨ IC1402-pin6
V : 0.5V/div H : 5msec/div



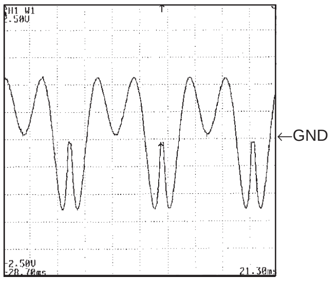
⑩ IC1402-pin7
V : 0.5V/div H : 5msec/div



⑪ IC1402-pin8
V : 0.5V/div H : 5msec/div



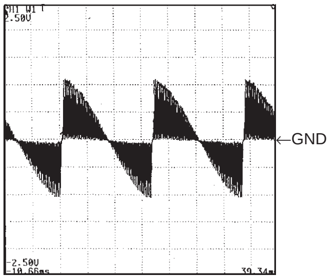
⑫ IC1402-pin10
V : 0.5V/div H : 5msec/div



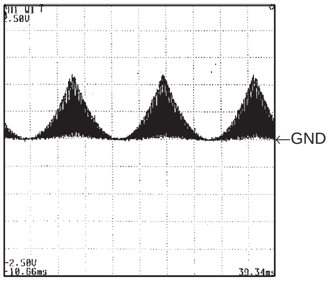
N AV I/O ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

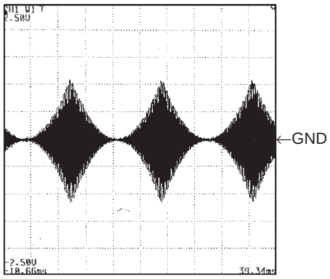
⑬ IC1411-pin24
V : 0.5V/div H : 5msec/div



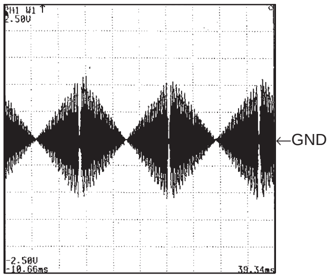
⑭ IC1412-pin24
V : 0.5V/div H : 5msec/div



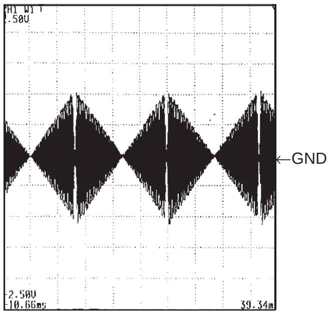
⑮ IC1403-pin24
V : 0.5V/div H : 5msec/div



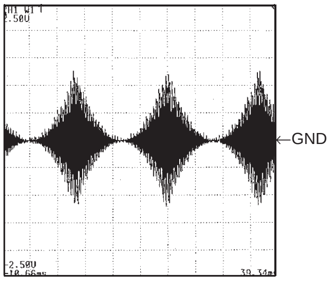
⑯ IC1410-pin24
V : 0.5V/div H : 5msec/div



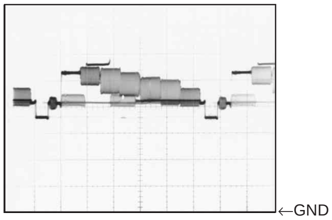
⑰ IC1409-pin24
V : 0.5V/div H : 5msec/div



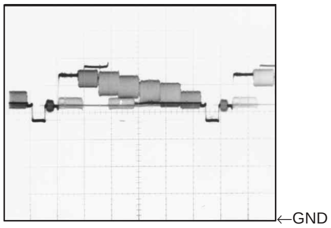
⑱ IC1408-pin24
V : 0.5V/div H : 5msec/div



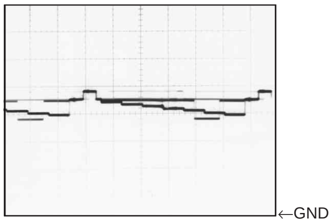
① CN6003-pin6
V : 1V/div H : 10µsec/div



② CN6003-pin2
V : 1V/div H : 10µsec/div



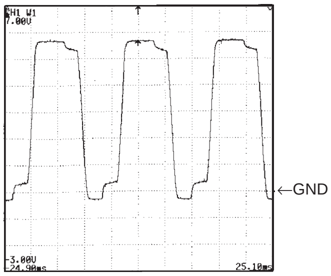
③ CN6201-pin3
V : 1V/div H : 10µsec/div



O AC IN ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

① J101-pin5 (AC, CLK)
V : 1V/div H : 5µsec/div

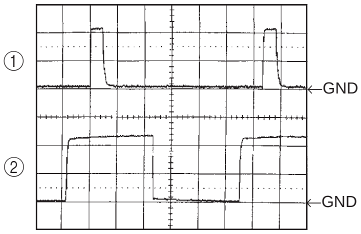


S DEFLECTION SERVICE ASSY

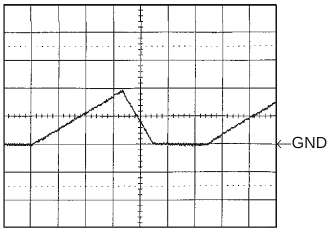
Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

① TP308 (DH)
V : 2V/div H : 5µsec/div

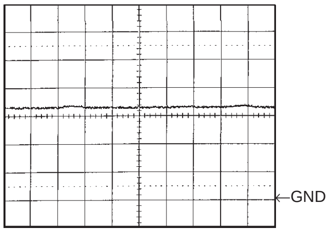
② IC301-pin2
V : 5V/div H : 5µsec/div



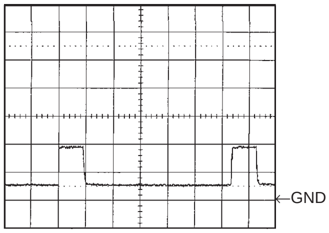
③ IC301-pin3
V : 2V/div H : 5µsec/div



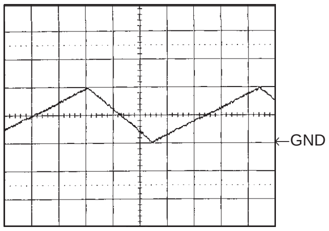
④ IC301-pin4
V : 2V/div H : 5µsec/div



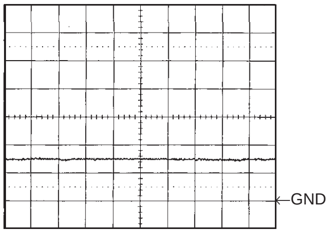
⑤ IC301-pin5
V : 2V/div H : 5µsec/div



⑥ IC301-pin9
V : 2V/div H : 5µsec/div

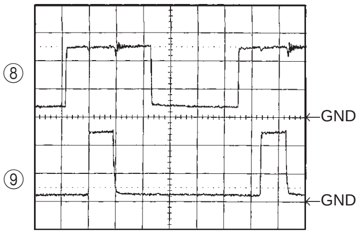


⑦ IC301-pin10
V : 2V/div H : 5µsec/div

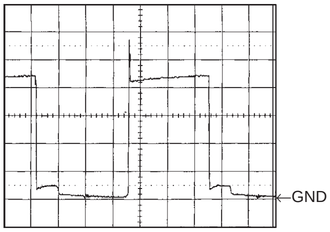


⑧ TP304 (H.OSC)
V : 2V/div H : 5µsec/div

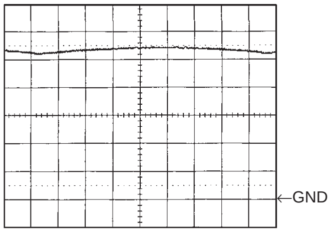
⑨ TP305 (DH.BLK)
V : 2V/div H : 5µsec/div



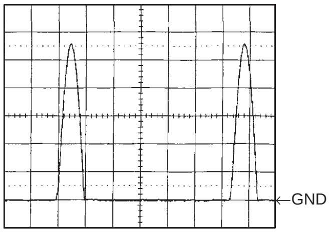
⑩ Q308-Collector
V : 10V/div H : 5µsec/div



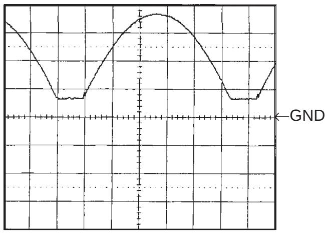
⑪ Q324-Emitter
V : 20V/div H : 2msec/div



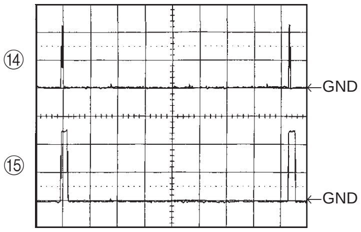
⑫ Q309 Collector
V : 200Vdiv H : 5µsec/div



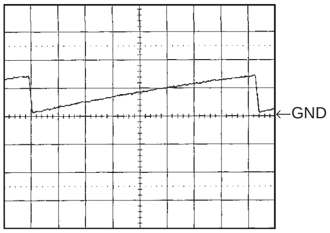
⑬ TP312
V : 20V/div H : 5µsec/div



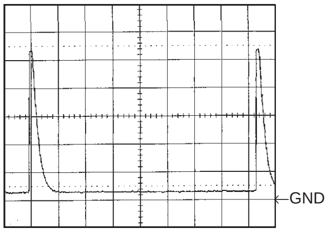
⑭ TP307 (DV)
V : 2V/div H : 2msec/div
⑮ TP306 (V. BLKO)
V : 2V/div H : 2msec/div



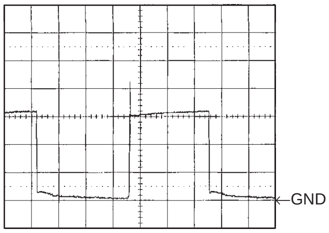
⑯ IC301-pin20
V : 2V/div H : 2msec/div



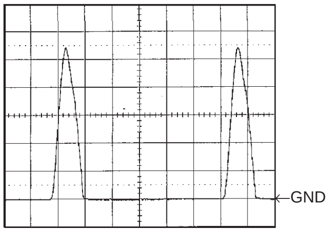
⑰ IC301-pin16
V : 2V/div H : 2msec/div



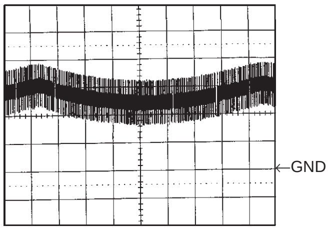
⑱ Q601-Collector
V : 10V/div H : 5µsec/div



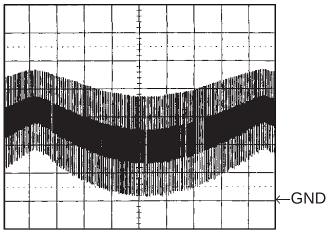
⑲ Q612-Collector
V : 200V/div H : 5µsec/div



⑳ Q751-Base
V : 2V/div H : 2msec/div



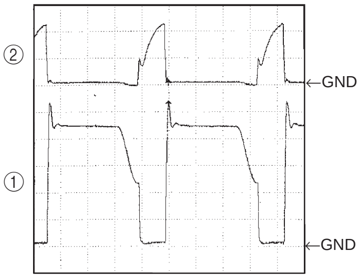
㉑ Q754-Emitter
V : 200V/div H : 2msec/div



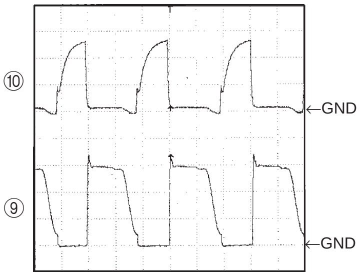
T POWER SUPPLY ASSY

Input signal
Video signal: Color bar (NTSC, EIA)
Picture quality: Standard
Range: DC range (Unless otherwise noted)

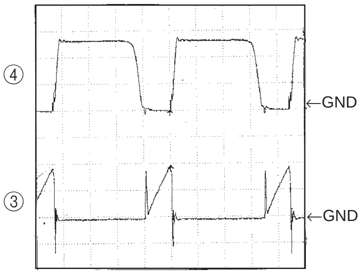
① Q201 Drain
V : 50V/div H : 5µsec/div
② Q201 Gate
V : 5V/div H : 5µsec/div



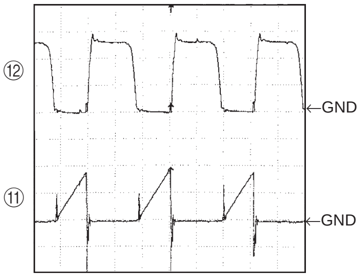
⑨ Q208 Drain
V : 100V/div H : 5µsec/div
⑩ Q208 Gate
V : 5V/div H : 5µsec/div



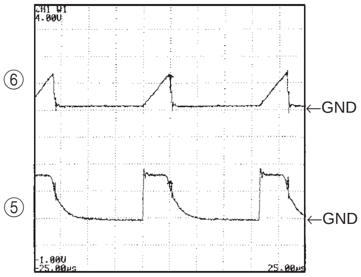
③ Q201 Source
V : 0.5V/div H : 5µsec/div
④ IC201-pin1
V : 1V/div H : 5µsec/div



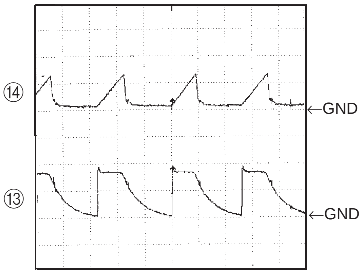
⑪ Q208 Source
V : 0.5V/div H : 5µsec/div
⑫ IC207-pin1
V : 1V/div H : 5µsec/div



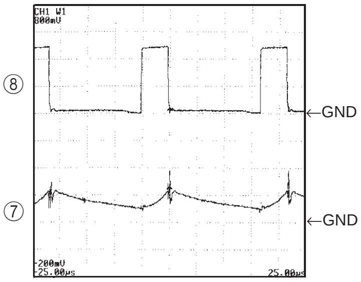
⑤ IC201-PIN2
V : 0.5V/div H : 5µsec/div
⑥ IC201-pin3
V : 0.5V/div H : 5µsec/div



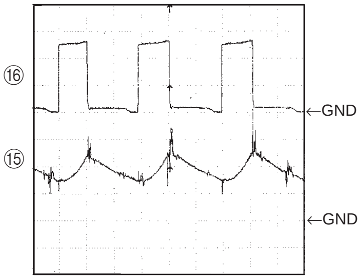
⑬ IC207-pin2
V : 0.5V/div H : 5µsec/div
⑭ IC207-pin3
V : 0.5V/div H : 5µsec/div



⑦ IC201-pin4
V : 0.1V/div H : 5µsec/div
⑧ IC201-pin6
V : 5V/div H : 5µsec/div



⑮ IC207-pin4
V : 50mV/div H : 5µsec/div
⑯ IC207-pin6
V : 5V/div H : 5µsec/div



A3/3 TUNER µ-COM ASSY (3/3)

IC2201 (PD5462)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	50	21	5.0	41	5.0	61	0
2	0	22	0	42	4.8	62	0
3	3.3	23	5.0	43	0.6	63	0
4	3.1	24	5.0	44	0.6	64	0
5	5.0	25	5.0	45	0	65	0
6	5.0	26	0	46	5.0	66	4.8
7	0.5	27	5.0	47	5.0	67	0
8	5.0	28	0	48	0	68	0
9	5.0	29	0	49	4.9	69	0
10	5.0	30	2.1	50	4.9	70	0
11	5.0	31	2.1	51	4.9	71	0
12	5.0	32	0	52	4.9	72	0
13	5.0	33	5.0	53	4.2	73	5.0
14	2.5	34	0	54	4.2	74	5.0
15	3.1	35	0	55	4.2	75	0
16	0.2	36	0	56	0	76	5.0
17	0	37	3.0	57	0	77	0
18	0	38	0	58	5.0	78	0
19	0	39	0	59	5.0	79	0.3
20	5.0	40	5.0	60	0	80	0.3

IC2202 (PD5463)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	1.1	14	5.0	27	5.0	40	5.0
2	0.2	15	0.8	28	5.0	41	0
3	5.0	16	5.0	29	5.0	42	5.0
4	4.8	17	5.0	30	5.0	43	5.0
5	4.6	18	5.0	31	0	44	5.0
6	0	19	0.1	32	0	45	10.5
7	5.0	20	0	33	0	46	0
8	0	21	0.2	34	5.0	47	0
9	0.8	22	0.5	35	5.0	48	0
10	0.8	23	0	36	5.0	49	0
11	0.7	24	2.3	37	5.0	50	0
12	0.6	25	2.3	38	5.0	51	0
13	2.0	26	0	39	5.0	52	0

IC2203 (PD5497)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	1.1	14	0	27	5.0	40	0
2	0.2	15	0	28	2.3	41	0
3	5.0	16	0	29	2.3	42	0
4	0	17	0	30	5.0	43	0
5	0	18	5.0	31	0	44	0
6	0	19	0.1	32	0	45	0
7	0	20	0	33	0	46	0
8	0	21	0.2	34	0	47	0
9	0	22	0.5	35	0	48	0
10	0	23	0	36	0	49	0
11	0	24	2.4	37	4.9	50	0
12	0	25	2.4	38	0	51	0
13	0	26	0	39	4.9	52	0

C2/5 SUB VIDEO ASSY (2/5)

IC4702 (SAA7165WP)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	23	0
2	2.3	24	5.0
3	0	25	—
4	0	26	—
5	0	27	5.0
6	0	28	—
7	0	29	—
8	—	30	0
9	—	31	5.0
10	—	32	5.0
11	—	33	1.0
12	—	34	1.0
13	5.0	35	0
14	0	36	1.0
15	—	37	5.0
16	—	38	0
17	—	39	0.8
18	—	40	5.0
19	—	41	1.0
20	—	42	5.0
21	—	43	2.3
22	0	44	0

IC4703 (TDA8755T)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	—	17	—
2	2.7	18	0
3	3.2	19	—
4	1.7	20	—
5	3.5	21	—
6	4.9	22	—
7	3.2	23	5.0
8	3.3	24	—
9	3.2	25	—
10	0	26	—
11	3.3	27	—
12	3.3	28	—
13	1.7	29	—
14	—	30	—
15	—	31	—
16	—	32	5.0

IC4704 (SAA4952WP)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	—	23	5.0
2	—	24	0
3	—	25	—
4	—	26	—
5	0	27	—
6	—	28	—
7	—	29	—
8	—	30	—
9	0	31	—
10	5.0	32	—
11	—	33	5.0
12	0	34	0.0
13	—	35	—
14	—	36	5.0
15	—	37	—
16	—	38	—
17	—	39	—
18	—	40	0
19	—	41	0
20	—	42	—
21	—	43	0
22	—	44	0

F CONVER.DAC ASSY

IC1401 (PA0053B)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0.4	10	0.1
2	1.3	11	0.3
3	5.0	12	–0.9
4	0	13	0.3
5	–0.9	14	1.2
6	0	15	0
7	–1.0	16	–1.8
8	0	17	1.2
9	–5.0	18	–1.2

IC1402 (PA0053B)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0.5	10	0
2	1.2	11	0.4
3	5.0	12	–0.9
4	0	13	0.3
5	–0.9	14	1.2
6	0	15	0
7	–1.0	16	–0.8
8	0	17	1.2
9	–5.0	18	–1.6

IC1403 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	–0.4
2	–0.9	23	0
3	0	24	0
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	–5.0	28	0
8	5.0	29	0
9	–5.0	30	–0.3
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.1	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0
18	–1.1	39	0
19	0	40	0.4
20	0	41	0
21	5.0	42	0

IC1404 (MC14066BF)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	–5.0	8	0
2	–5.0	9	0
3	0	10	0
4	–0.9	11	0
5	0	12	0
6	0	13	4.3
7	–5.0	14	5.0

IC1405 (MC14052BF)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	9	5.0
2	0	10	5.0
3	0	11	0
4	0	12	0
5	0	13	0
6	0	14	0
7	–5.0	15	0
8	0	16	5.0

IC1406 (MC14052BF)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	9	5.0
2	–1.0	10	5.0
3	0	11	0
4	0	12	0
5	–1.0	13	0
6	0	14	0
7	–5.0	15	0
8	0	16	5.0

IC1408 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	–0.4
2	–0.9	23	0
3	0	24	0
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	–0.5	28	0
8	0	29	0
9	–5.0	30	0.7
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.0	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0
18	–1.1	39	0
19	0	40	0
20	0	41	–0.2
21	5.0	42	0

IC1409 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	0
2	–0.9	23	0
3	0	24	0
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	0	28	0
8	0	29	0
9	–5.0	30	0.4
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.0	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0.2
18	–1.1	39	0
19	0	40	0
20	0	41	0.3
21	5.0	42	0

IC1410 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	0
2	–0.9	23	0
3	0	24	0
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	5.0	28	0
8	0	29	0
9	–5.0	30	0.5
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.0	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0
18	–1.1	39	0
19	0	40	0
20	0	41	–1.1
21	5.0	42	0

IC1411 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	0
2	–0.9	23	–0.5
3	0	24	0
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	5.0	28	0
8	5.0	29	0
9	–5.0	30	–0.7
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.1	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0
18	–1.1	39	0
19	0	40	0
20	0	41	–0.5
21	5.0	42	0

IC1412 (PM0011AS)

Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	0	22	–0.4
2	–0.9	23	–0.5
3	0	24	0.2
4	–1.0	25	0
5	0	26	0
6	0	27	0
7	0	28	0
8	5.0	29	0
9	–5.0	30	–0.5
10	5.0	31	5.0
11	5.0	32	5.0
12	5.0	33	5.0
13	5.0	34	5.0
14	–2.1	35	–5.0
15	0	36	0
16	–0.8	37	0
17	0	38	0
18	–1.1	39	0
19	0	40	0.1
20	0	41	0.2
21	5.0	42	0

N1/3 AV I/O ASSY (1/3)

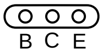
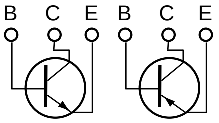
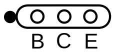
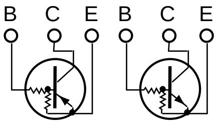
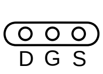
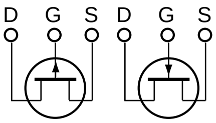
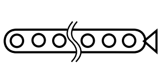
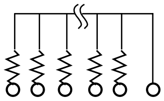
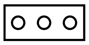
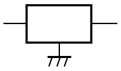
IC6001 (CXA2069Q)

Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]
1	4	21	—	41	3.9
2	4.5	22	4	42	8.8
3	4	23	4.5	43	4.5
4	4.5	24	4	44	3.8
5	4.5	25	4.5	45	4.5
6	—	26	4.5	46	—
7	—	27	—	47	4.5
8	4	28	—	48	—
9	4.5	29	4.5	49	4
10	4	30	4	50	4.5
11	4.5	31	4.5	51	4.5
12	4.5	32	—	52	4.5
13	—	33	—	53	3.9
14	—	34	—	54	4.5
15	4	35	0	55	—
16	4.5	36	—	56	3.3
17	4	37	4.5	57	0
18	4.5	38	4.5	58	4.5
19	4.5	39	3.8	59	4.5
20	—	40	4.5	60	4

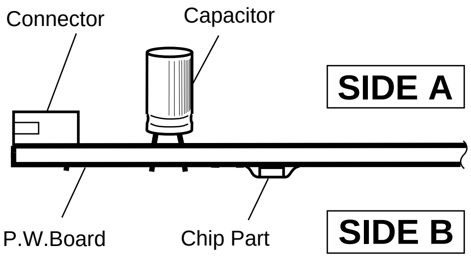
PWB CONNECTION DIAGRAM

NOTE FOR PWB DIAGRAMS :

1. Part numbers in PWB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PWB and schematic diagrams is shown below.

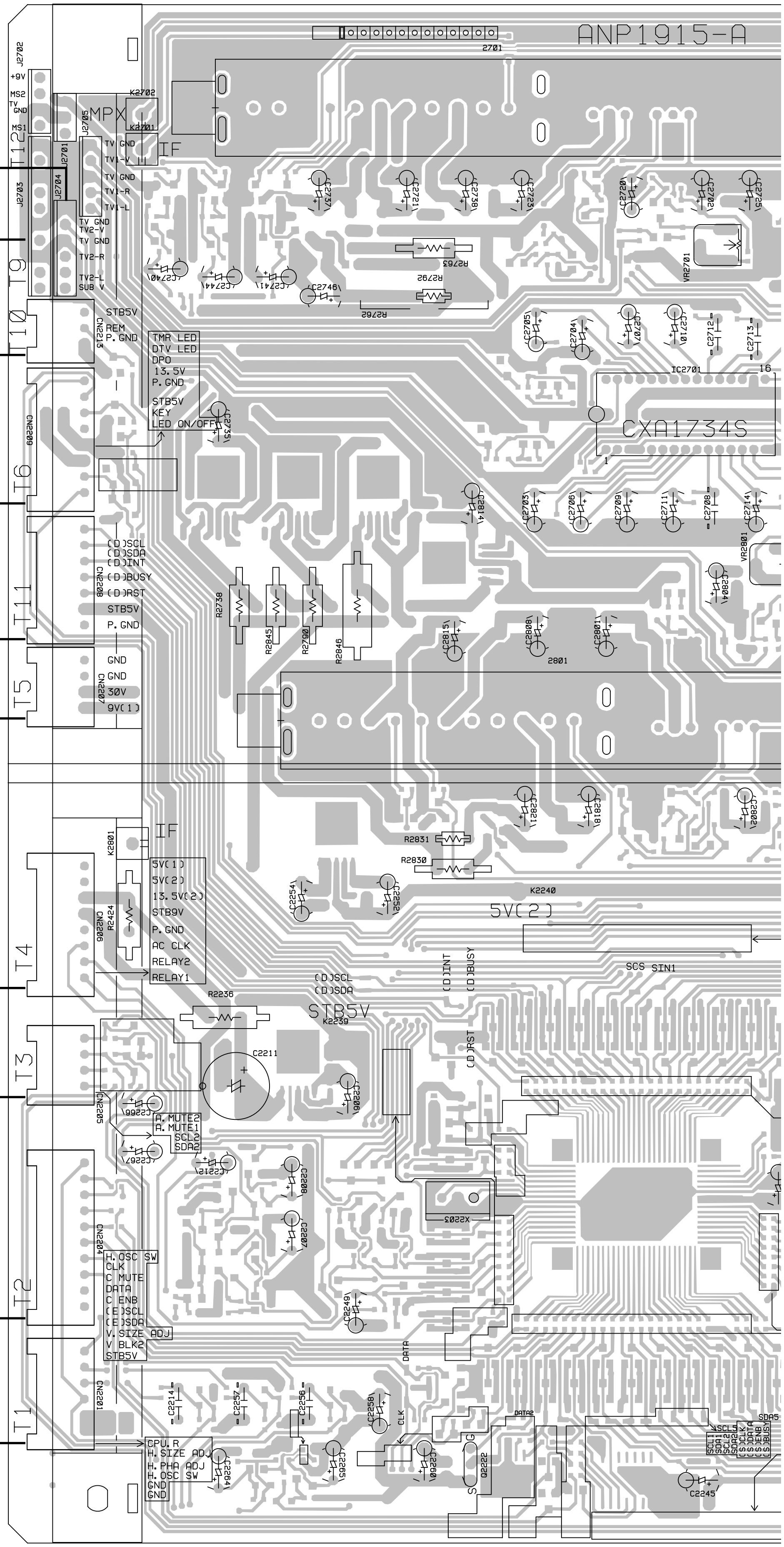
Symbol In PWB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PWB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PWB diagrams.


Connector
Capacitor
SIDE A
P.W.Board
Chip Part
SIDE B

■ TUNER μ-COM ASSY

A TUNER μ-COM ASSY


ANP1915-A
J2702
+9V
MS2
TV GND
MS1
T12
J2703
T9
J2705
J2701
J2704
MPX
K2702
K2701
IF
TV GND
TV1-V
TV GND
TV1-R
TV1-L
TV GND
TV2-V
TV GND
TV2-R
TV2-L
SUB V
2701
R2763
R2792
R2762
VR2701
IC2701
CXA1734S
T10
CN2213
STB5V
REM
P.GND
TMR LED
DTV LED
DPO
13.5V
P.GND
STB5V
KEY
LED ON/OFF
T6
CN2209
T11
CN2208
(D)SCL
(D)SDA
(D)INT
(D)BUSY
(D)RST
STB5V
P.GND
R2738
R2845
R2790
R2846
VR2801
2801
T5
CN2207
GND
GND
30V
9V(1)
K2801
IF
R2424
CN2206
T4
5V(1)
5V(2)
13.5V(2)
STB9V
P.GND
AC CLK
RELAY2
RELAY1
R2831
R2830
K2240
5V(2)
SCS
SIN1
(D)INT
(D)BUSY
(D)SCL
(D)SDA
STB5V
K2239
R2236
C2211
(D)RST
T3
CN2205
A.MUTE2
A.MUTE1
SCL2
SDA2
X2203
T2
CN2204
H.OSC SW
CLK
C.MUTE
DATA
C.ENB
(E)SCL
(E)SDA
V.SIZE ADJ
V.BLK2
STB5V
DATA
T1
CN2201
CPU.R
H.SIZE ADJ
H.PHA ADJ
H.OSC SW
GND
GND
CLK
DATA2
Q2222
C2245
SDA5
1
2
3
4
A
B
C
D

N CN6002 A5

H SR BNC ASSY
J5024 V2

J FRONT CONTROL
ASSY CN209 E2

DTV SET TOP
BOX SH-D07

T CN209 E2

T CN210 E1

E CN1205 G7

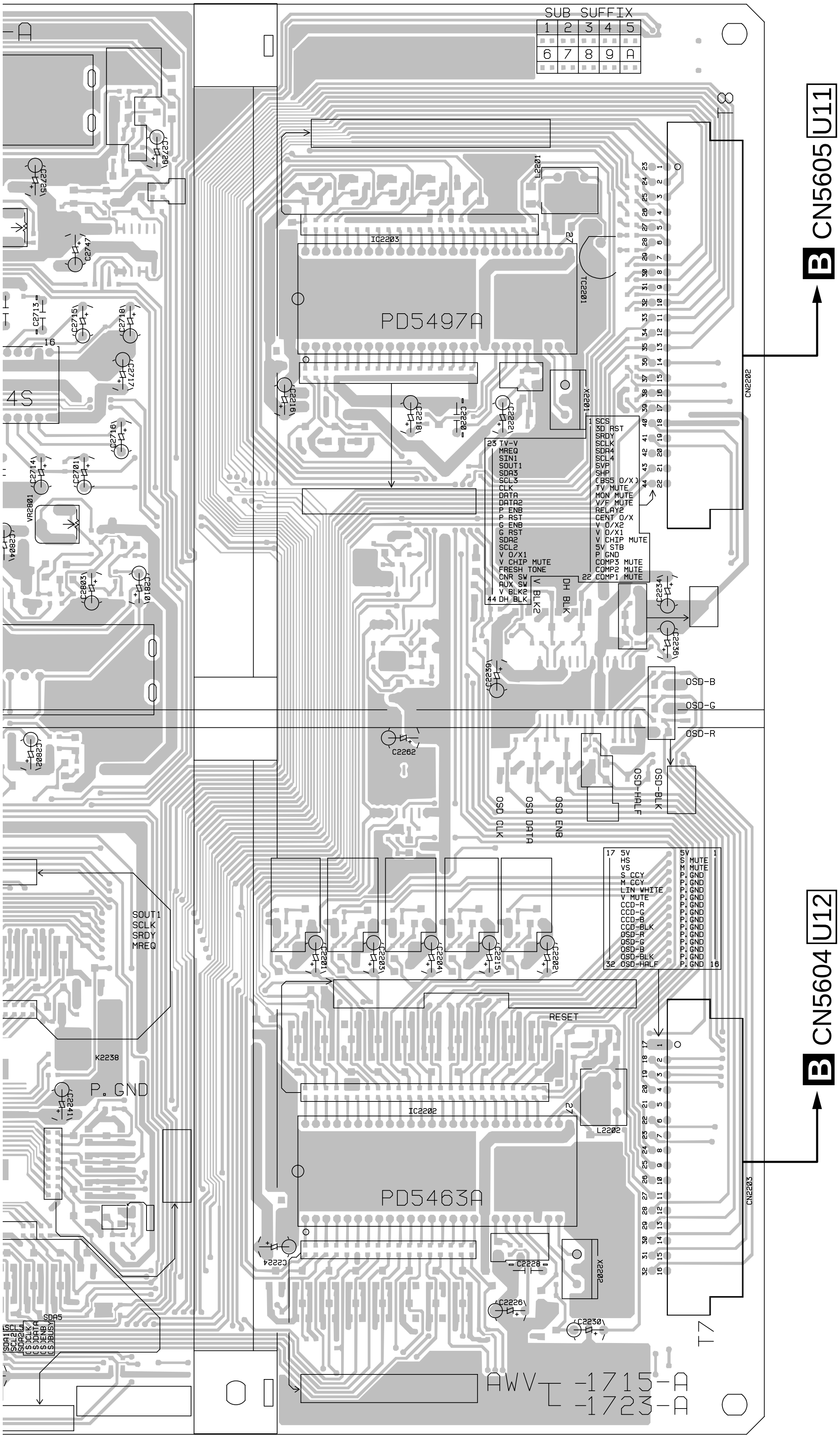
E CN908 G4

S CN308 K2

A

5 6 7

SIDE A


SUB SUFFIX
1 2 3 4 5
6 7 8 9 A
B CN5605 U11
B CN5604 U12
IC2203
PD5497A
IC2202
PD5463A
L2201
L2202
TC2201
X2201
X2202
CN2202
CN2203
T8
T7
1 SCS
3D RST
SRDY
SCLK
SDA4
SCL4
SVP
SHP
(BS5 O/X)
TV MUTE
MON MUTE
V/F MUTE
RELAY2
CENT O/X
V O/X2
V O/X1
V CHIP MUTE
5V STB
P GND
COMP3 MUTE
COMP2 MUTE
22 COMP1 MUTE
23 TV-V
MREQ
SIN1
SOUT1
SDA3
SCL3
CLK
DATA
DATA2
P ENB
P RST
G ENB
G RST
SDA2
SCL2
V O/X1
V CHIP MUTE
FRESH TONE
CNR SW
AUX SW
V BLK2
44 DH BLK
V BLK2
DH BLK
OSD-B
OSD-G
OSD-R
OSD-BLK
OSD-HALF
OSD CLK
OSD DATA
OSD ENB
17 5V
HS
VS
S CCY
M CCY
LIN WHITE
V MUTE
CCD-R
CCD-G
CCD-B
CCD-BLK
OSD-R
OSD-G
OSD-B
OSD-BLK
32 OSD-HALF
5V 1
S MUTE
M MUTE
P.GND
P.GND 16
RESET
SOUT1
SCLK
SRDY
MREQ
K2238
P. GND
SDA5
SDA1
SCL1
SCL2
SDA2
(S)CLK
(S)DATA
(S)ENB
(S)BUSY
VR2801
C2713
C2715
C2718
C2717
C2716
C2714
C2701
C2747
C2725
C2727
C2803
C2810
C2804
C2802
C2241
C2216
C2218
C2220
C2221
C2234
C2236
C2239
C2262
C2201
C2203
C2204
C2215
C2202
C2224
C2228
C2226
C2230
16
27
4S
AWV-1715-A
-1723-A

VR2701 IC2203

IC2701

VR2801

IC2202

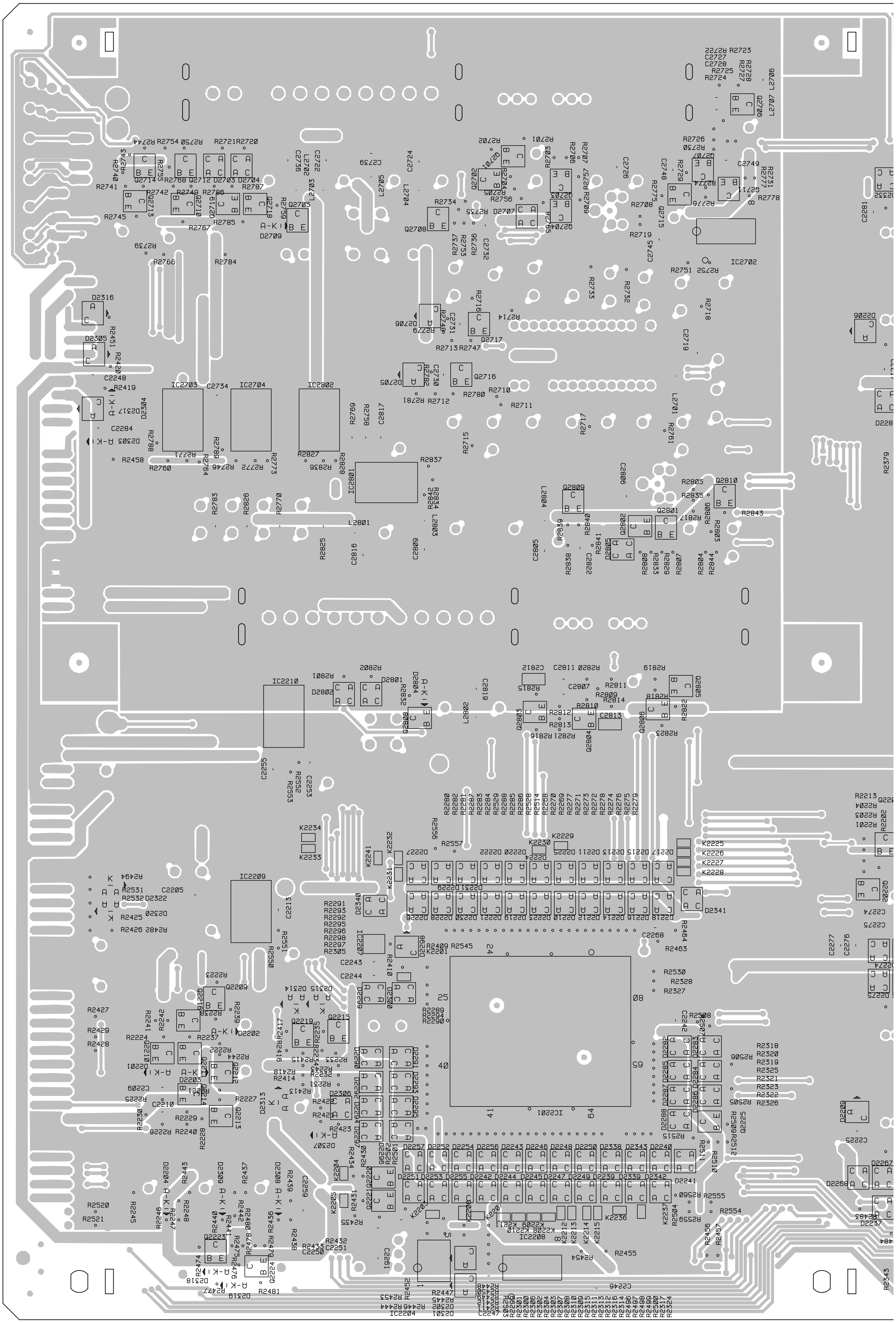
Q2222

A B C D

A

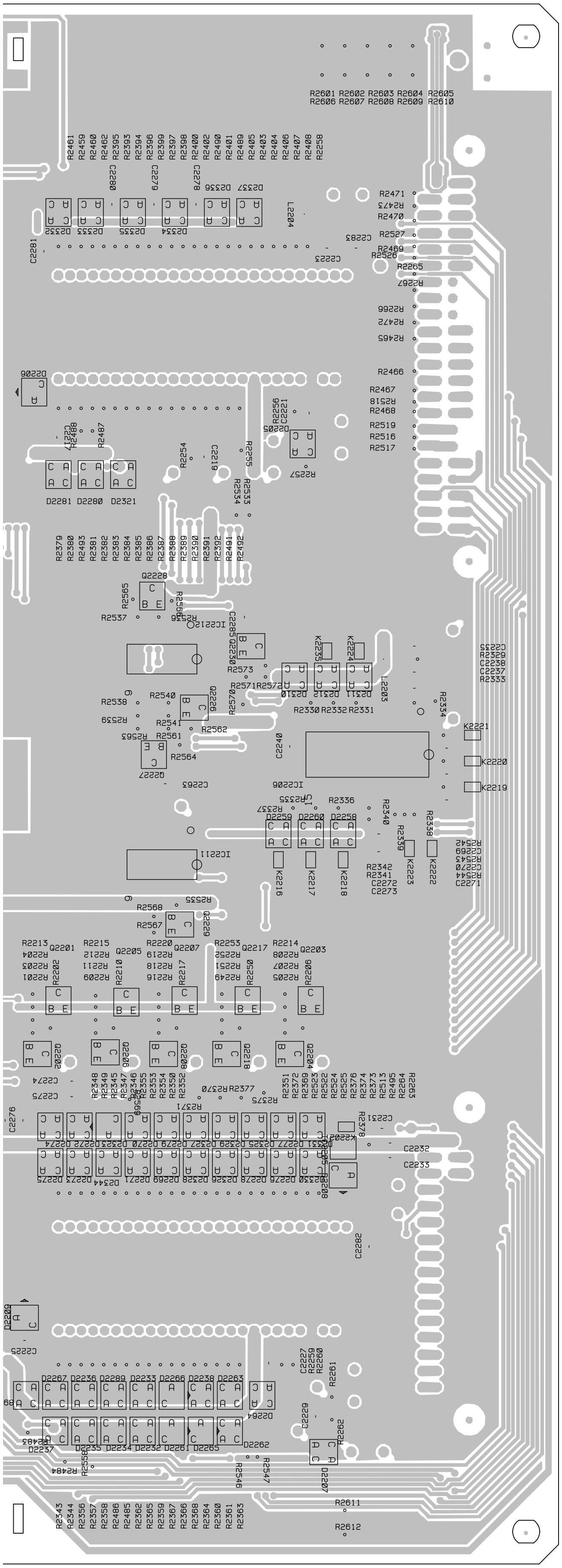
5 6 7 8

A TUNER μ-COM ASSY


IC2702
IC2703
IC2704
IC2802
IC2801
IC2210
IC2209
IC2201
IC2208
IC2204
Q2801
Q2802
Q2805
Q2810
D2316
D2305
L2701
L2801
L2802
24
25
40
41
64
65
80

1
2
3
4
A
B
C
D
A

SIDE B



A

Q2706

Q2714 Q2712 Q2702 Q2701 Q2703 Q2707 Q2711
Q2713 Q2710 Q2705 Q2704 Q2715 IC2702

Q2717

IC2703 IC2704 IC2802 Q2809 Q2810 Q2228

Q2805 Q2802 Q2801 IC5515

B

Q2227 IC2206

IC2210 Q2808 Q2803 Q2804 Q2805 IC2211

C

Q2201 Q2205 Q2207 Q2229 Q2217 Q2203

IC2209 Q2202 Q2206 Q2208 Q2218 Q2204

IC2207

Q2216 Q2209 Q2219 Q2215

Q2210 Q2211 Q2212

Q2214
Q2213 Q2225

Q2220
Q2221

D

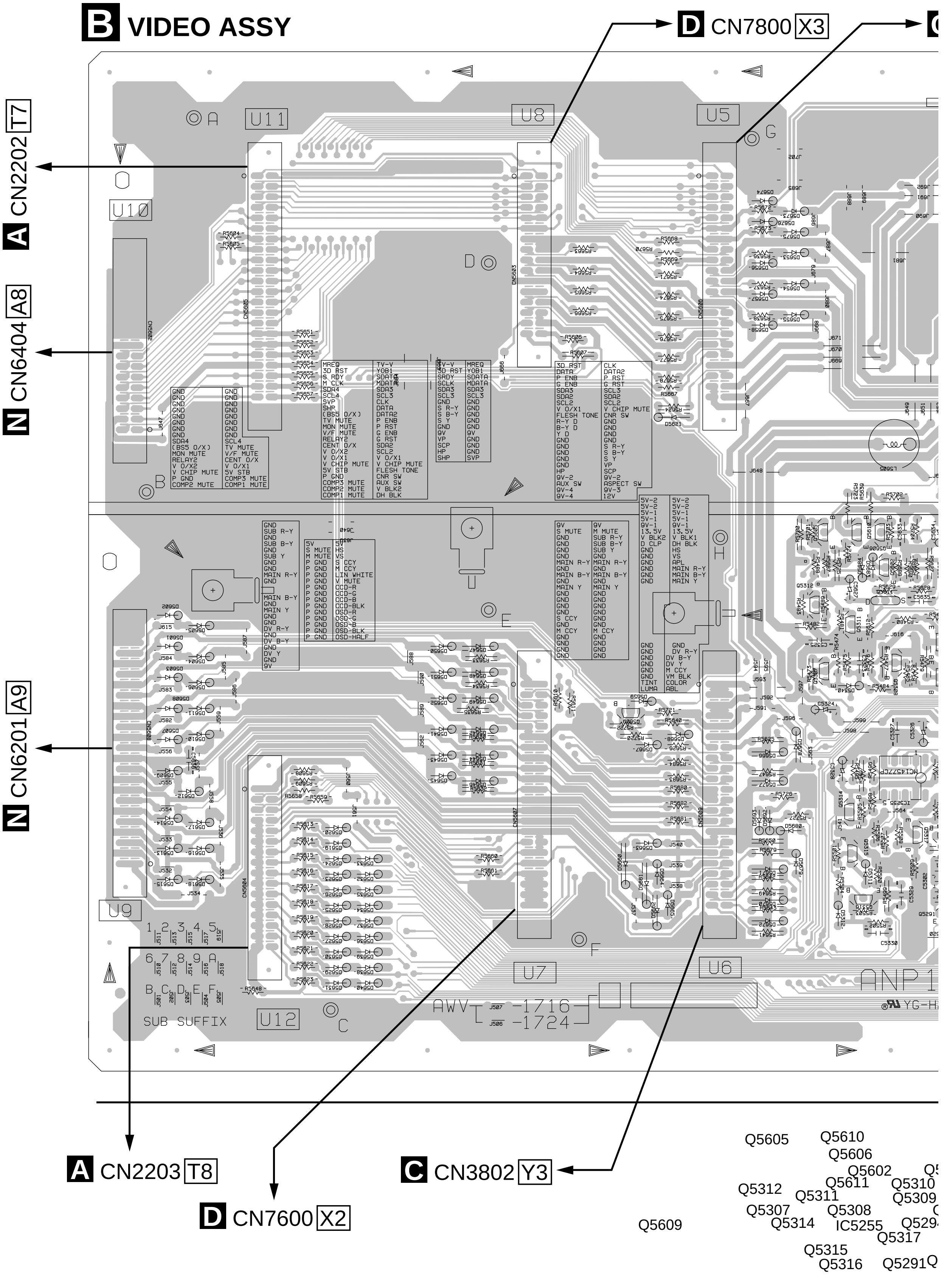
Q2223 Q2224 IC2208

IC2204

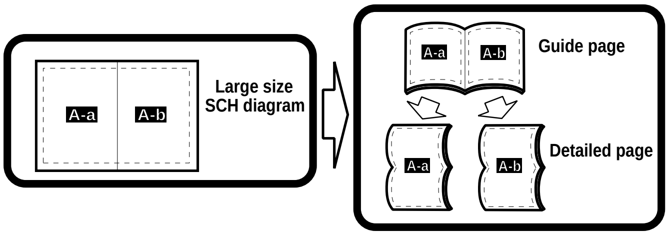
A

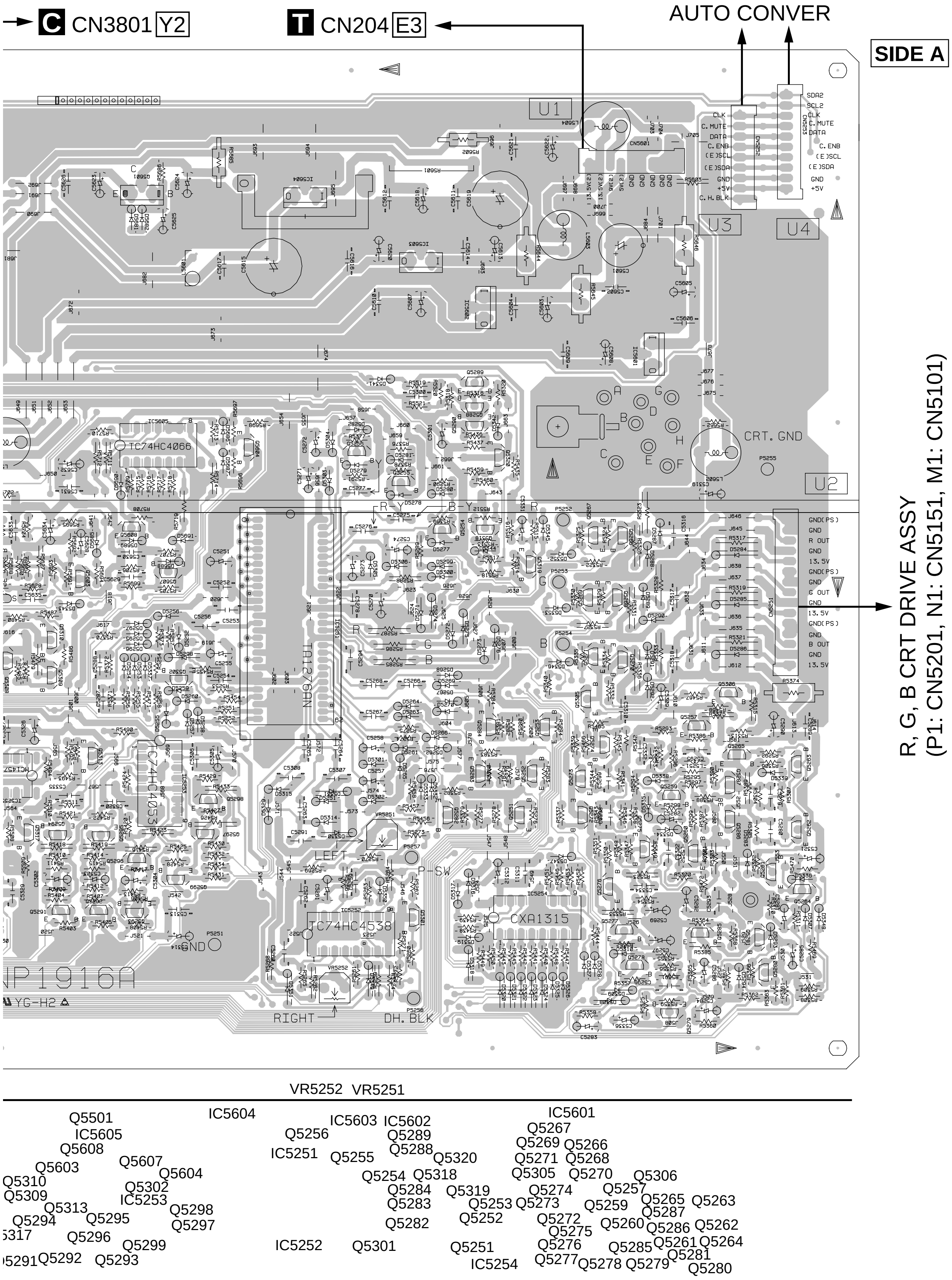
B-a

■ VIDEO ASSY


B VIDEO ASSY
D CN7800 X3
A CN2202 T7
N CN6404 A8
N CN6201 A9
A CN2203 T8
D CN7600 X2
C CN3802 Y3
U11
U8
U5
U10
U9
U7
U6
U12
CN5605
CN5603
CN5606
CN5602
CN5607
CN5604
CN5608
1 2 3 4 5
6 7 8 9 A
B C D E F
SUB SUFFIX
AWV -1716
-1724
ANP1
YG-H
Q5605
Q5610
Q5606
Q5602
Q5611
Q5310
Q5312
Q5311
Q5309
Q5307
Q5308
Q5314
IC5255
Q5609
Q5317
Q5315
Q5316
Q5291

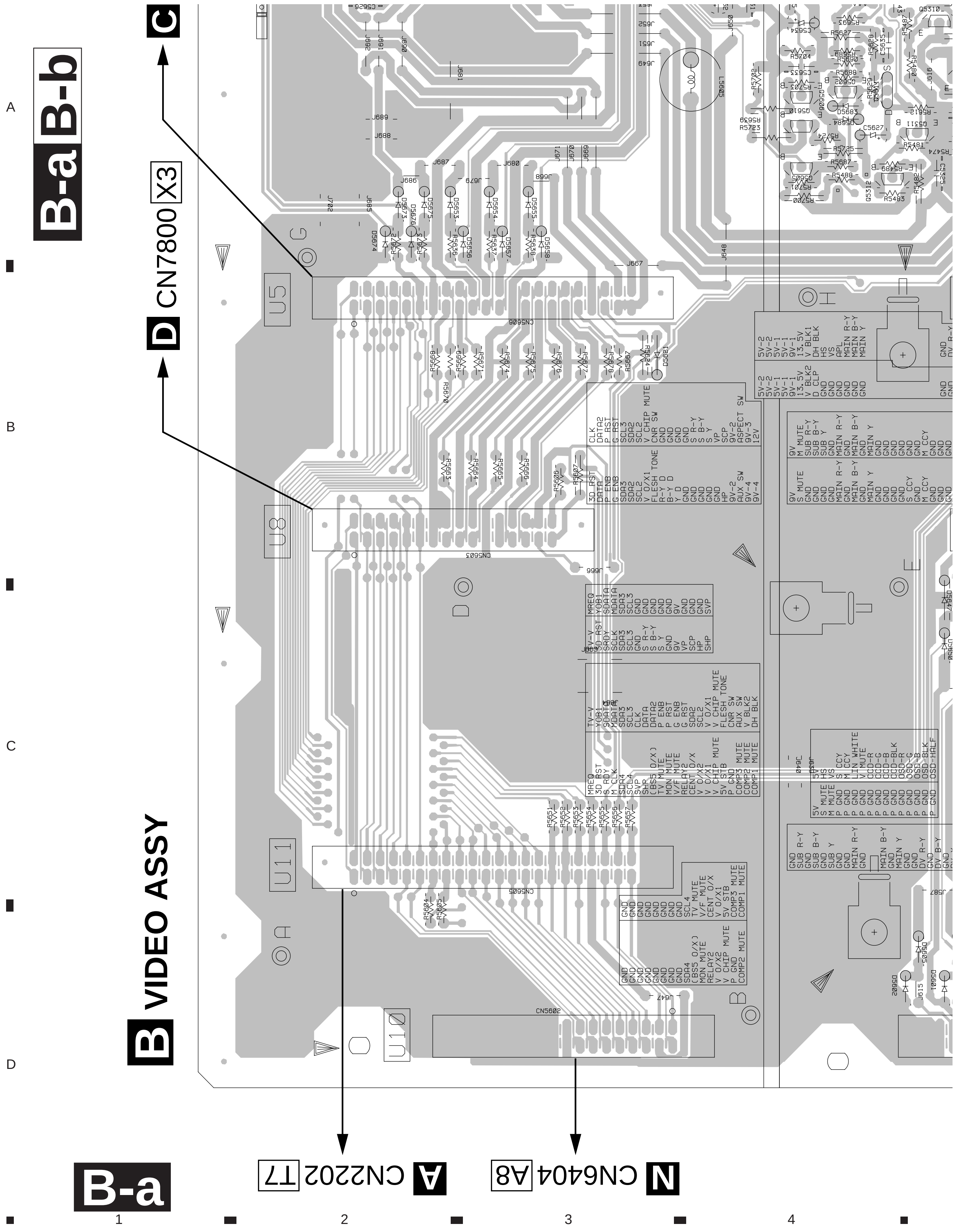
B-b


A-a
A-b
Large size SCH diagram
Guide page
Detailed page

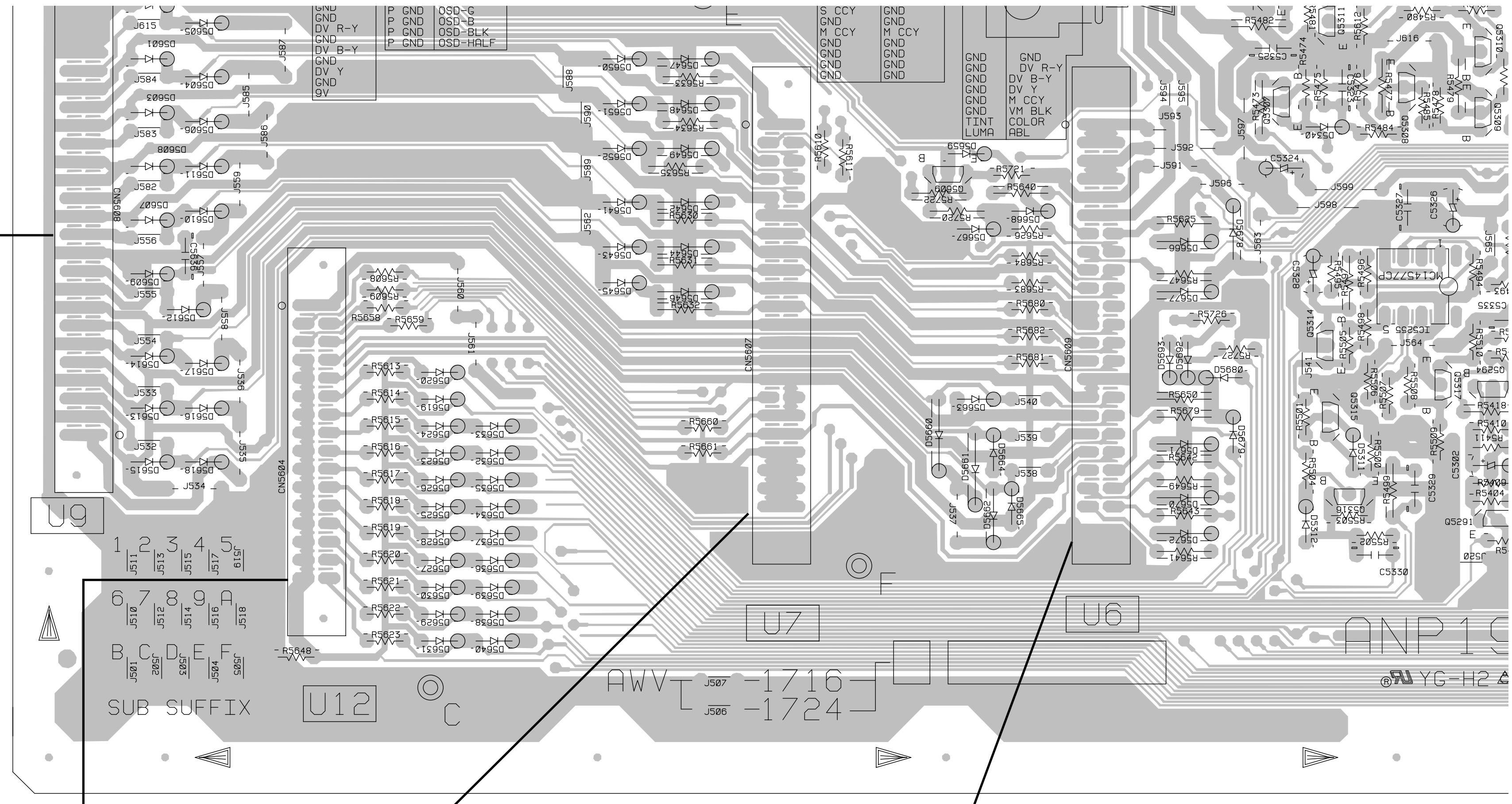

C CN3801 Y2
T CN204 E3
AUTO CONVER
SIDE A
U1
U2
U3
U4
CRT. GND
TC74HC4066
TA1276AN
TC74HC4053
TC74HC4538
CXA1315
LEFT
RIGHT
P-SW
DH. BLK
GND
R, G, B CRT DRIVE ASSY
(P1: CN5201, N1: CN5151, M1: CN5101)
VR5252 VR5251
Q5501
IC5604
IC5603 IC5602
IC5601
IC5605
Q5256
Q5289
Q5267
Q5608
Q5269 Q5266
Q5603
Q5607
IC5251
Q5255
Q5288
Q5320
Q5271 Q5268
Q5604
Q5310
Q5302
Q5254 Q5318
Q5305 Q5270
Q5306
Q5309
IC5253
Q5284
Q5319
Q5274
Q5257
Q5313
Q5298
Q5283
Q5253 Q5273
Q5259
Q5265 Q5263
Q5294
Q5295
Q5297
Q5282
Q5252
Q5272
Q5260
Q5287
Q5275
Q5286 Q5262
Q5317
Q5296
Q5299
IC5252
Q5301
Q5251
Q5276
Q5285
Q5261 Q5264
Q5291 Q5292
Q5293
IC5254
Q5277 Q5278 Q5279
Q5281
Q5280

A
B
C
D

B


B-a B-b
C
D CN7800 X3
B VIDEO ASSY
A CN2202 T7
N CN6404 A8
B-a
CN5606
CN5603
CN5605
CN5602
U5
U8
U11
U10
1
2
3
4
A
B
C
D

N CN6201 A9



CN5608
CN5604
CN5607
CN5609
U9
U7
U6
U12
1 2 3 4 5
6 7 8 9 A
B C D E F
SUB SUFFIX
AWV -1716
-1724
ANP1
YG-H2
GND
DV R-Y
DV B-Y
DV Y
9V
P GND
OSD-G
OSD-B
OSD-BLK
OSD-HALF
S CCY
M CCY
VM BLK
TINT
COLOR
LUMA
ABL
IC5255
MC14577CP

A CN2203 T8

D CN7600 X2

C CN3802 Y3

Q5605
Q5610
Q5606
Q5602
Q560
Q5611
Q5310
Q5312
Q5311
Q5309
Q5307
Q5308
Q53
Q5314
IC5255
Q5294
Q5609
Q5317
Q5315
Q5316
Q5291
Q52

B-a **B-b**

2 3 4

RT DRIVE ASSY
01, N1: CN5151, M1: CN5101)

SIDE A

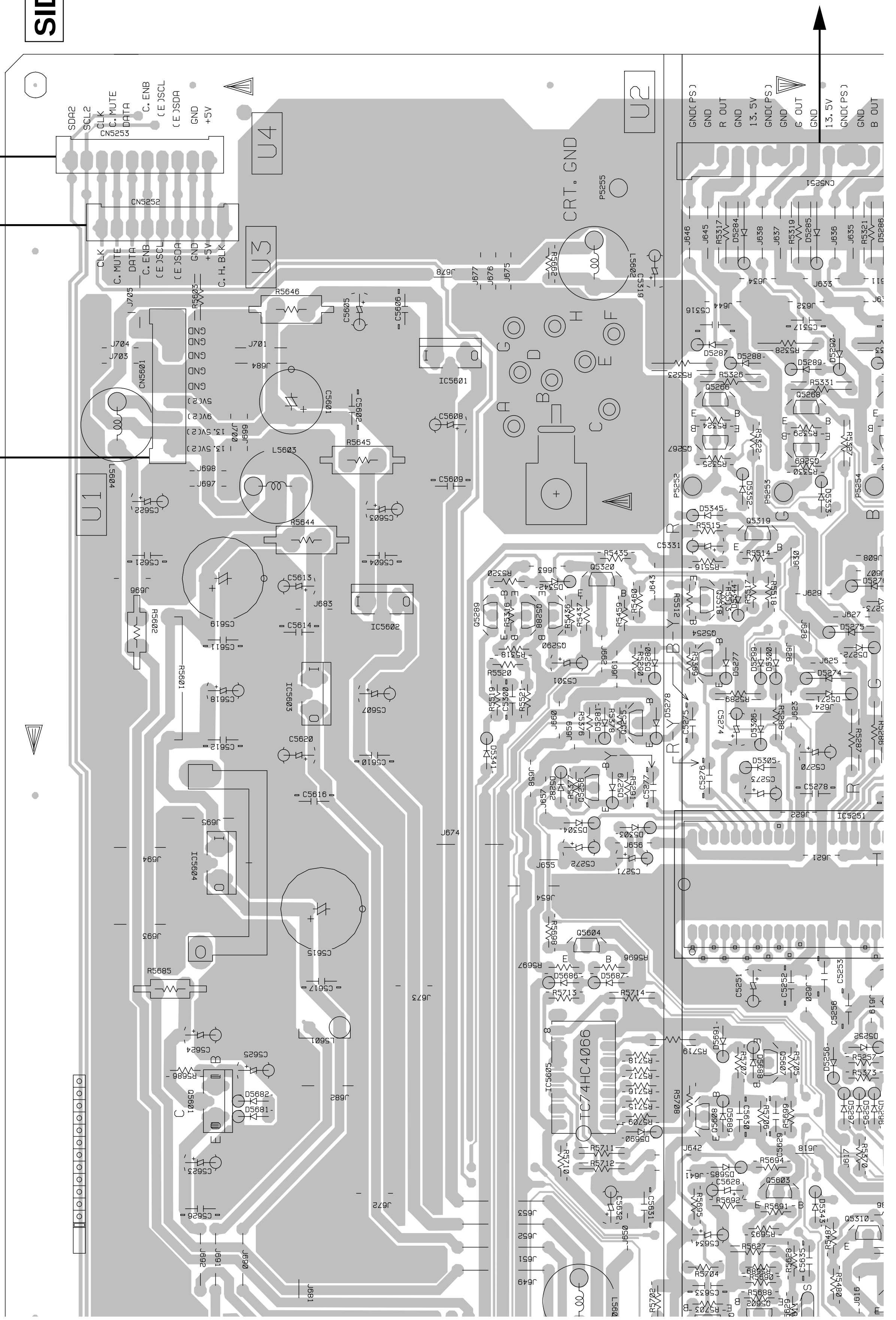
B-a B-b

AUTO CONVER

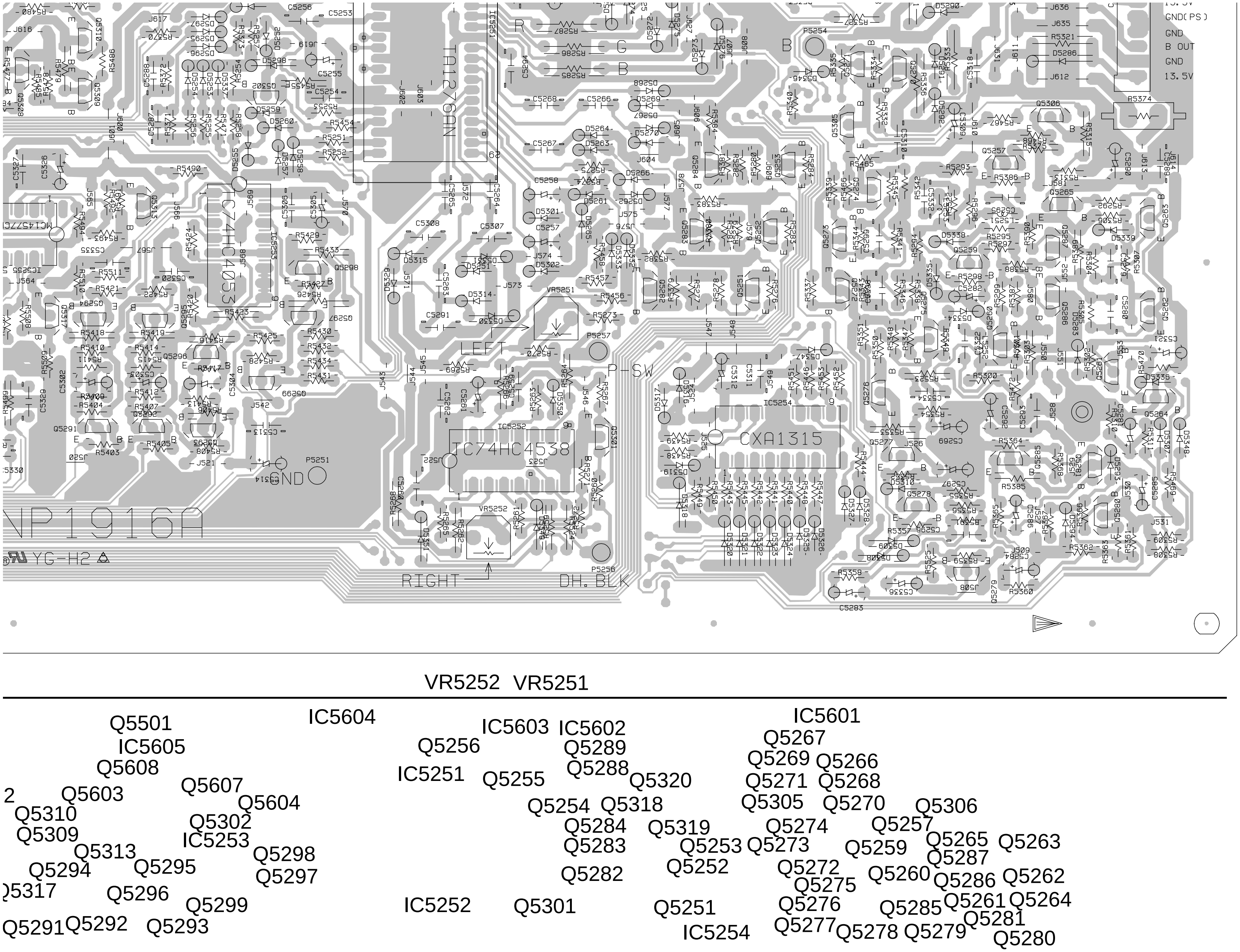
T CN204 E3

C CN3801 Y2

A
B
C
D


CN5253
SDA2
SCL2
CLK
C.MUTE
DATA
C.ENB
(E)SCL
(E)SDA
GND
+5V
CN5252
C.H.BLK
U4
U3
U2
U1
CN5251
GND(PS)
R OUT
13.5V
G OUT
B OUT
CRT.GND
P5255
CN5601
5V(2)
9V(2)
13.5V(2)
IC5601
IC5602
IC5603
IC5604
IC5605
TC74HC4066
IC5251
L5603
L5604
L5601
L5602
R5646
R5645
R5644
R5685
R5686
R5602
R5601
R5603
C5619
C5615
C5622
C5621
Q5601
Q5604
Q5603
P5252
P5253
P5254
J674
J673
J672
J681
J682

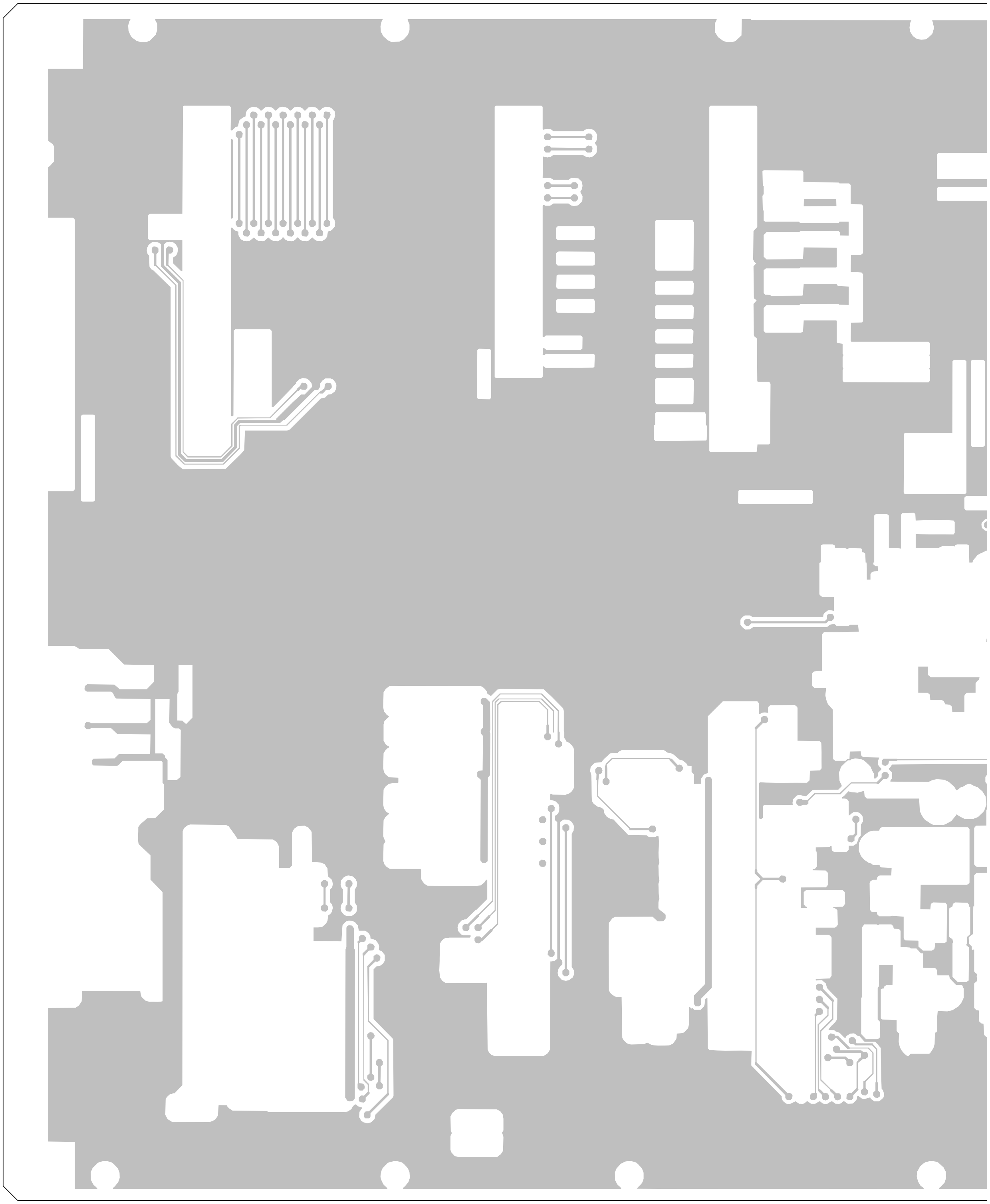
R, G, B CRT D
(P1: CN5201, I


TA1276AN
IC74HC4053
IC74HC4538
CXA1315
NP1916A
YG-H2
LEFT
RIGHT
P-SW
DH.BLK
GND
R
G
B
B OUT
13.5V
GND(PS)
VR5252 VR5251
IC5604
Q5501
IC5605
Q5608
Q5603
Q5310
Q5309
Q5607
Q5604
Q5302
IC5253
Q5313
Q5298
Q5297
Q5294
Q5295
Q5317
Q5296
Q5299
Q5291
Q5292
Q5293
IC5603
Q5256
IC5251
Q5255
IC5252
IC5602
Q5289
Q5288
Q5320
Q5254
Q5318
Q5284
Q5283
Q5282
Q5301
Q5319
Q5253
Q5252
Q5251
IC5254
IC5601
Q5267
Q5269
Q5271
Q5305
Q5274
Q5273
Q5272
Q5275
Q5276
Q5277
Q5266
Q5268
Q5270
Q5257
Q5259
Q5260
Q5278
Q5285
Q5306
Q5265
Q5287
Q5286
Q5261
Q5279
Q5281
Q5263
Q5262
Q5264
Q5280
5
6
7
8
D
C
B
A

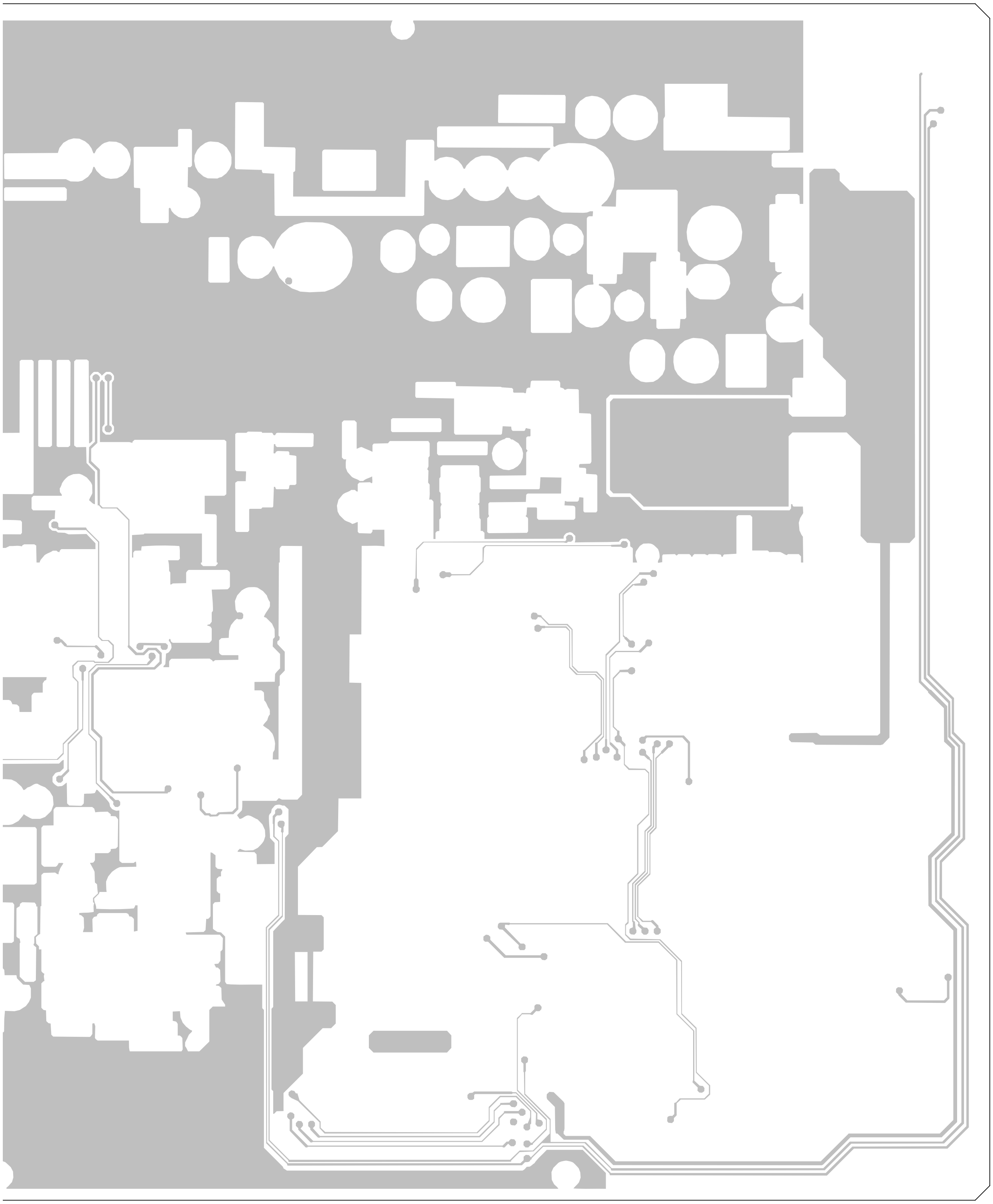
B-b

B-a B-b

B VIDEO ASSY

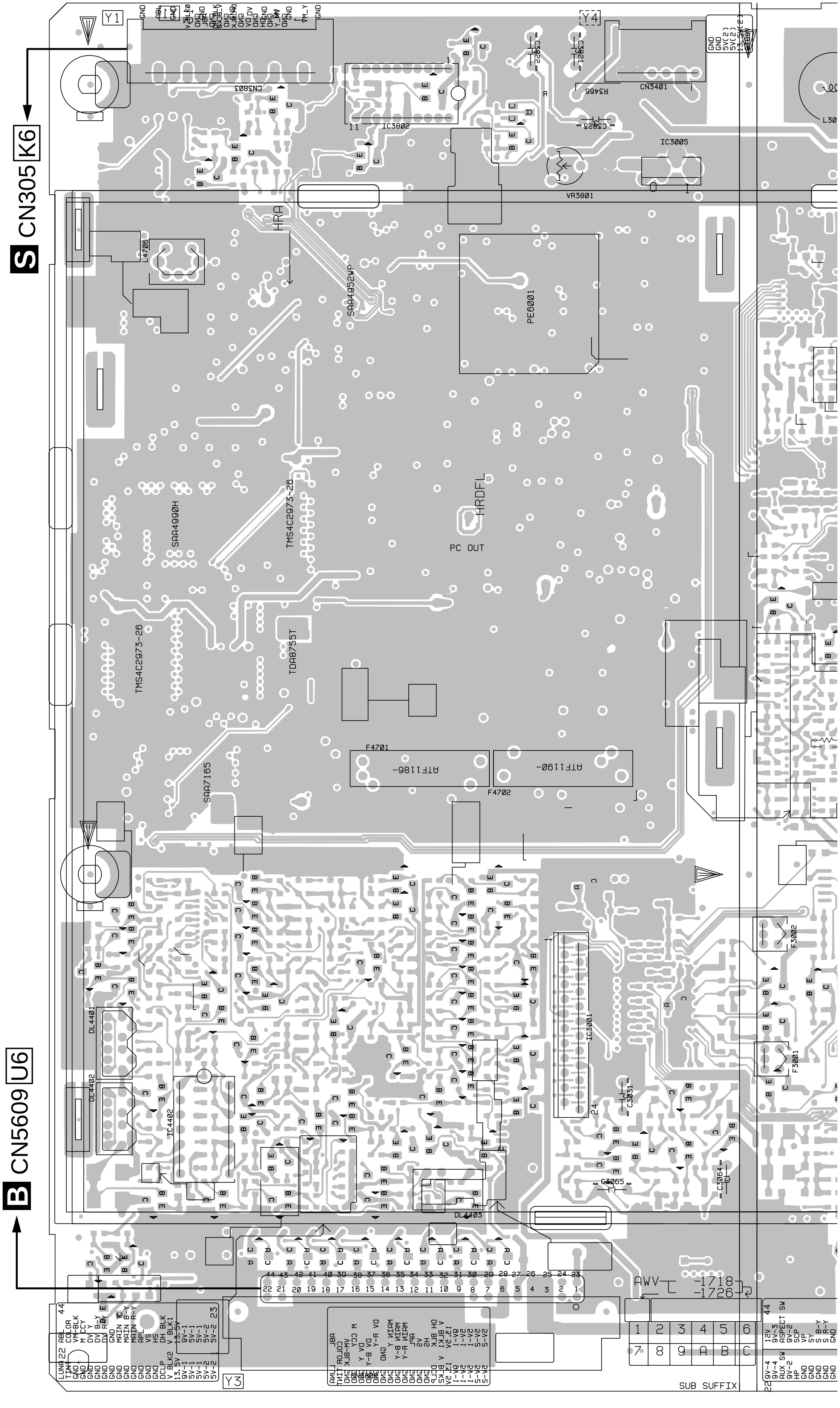


SIDE B

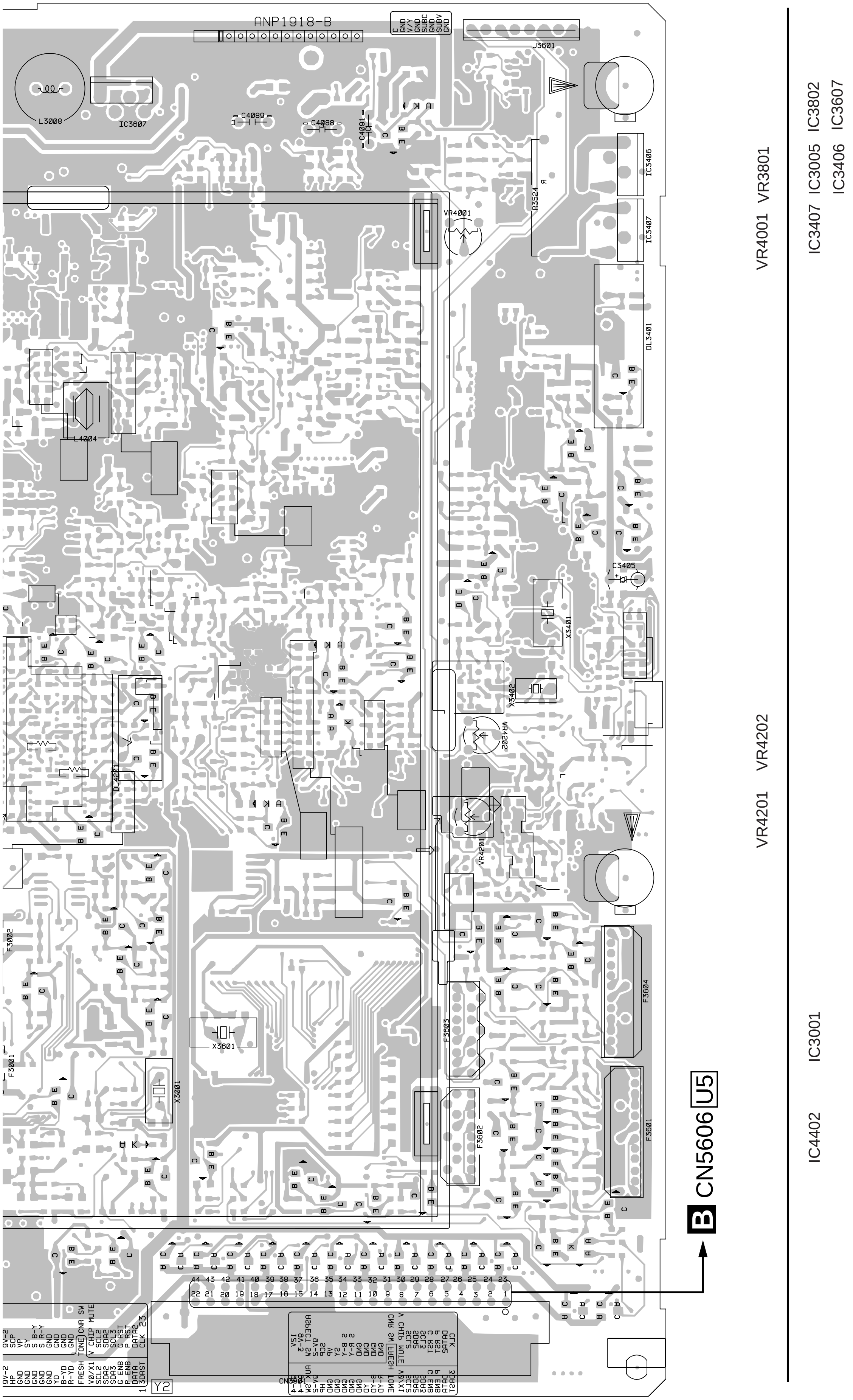


■ SUB VIDEO ASSY

C SUB VIDEO ASSY

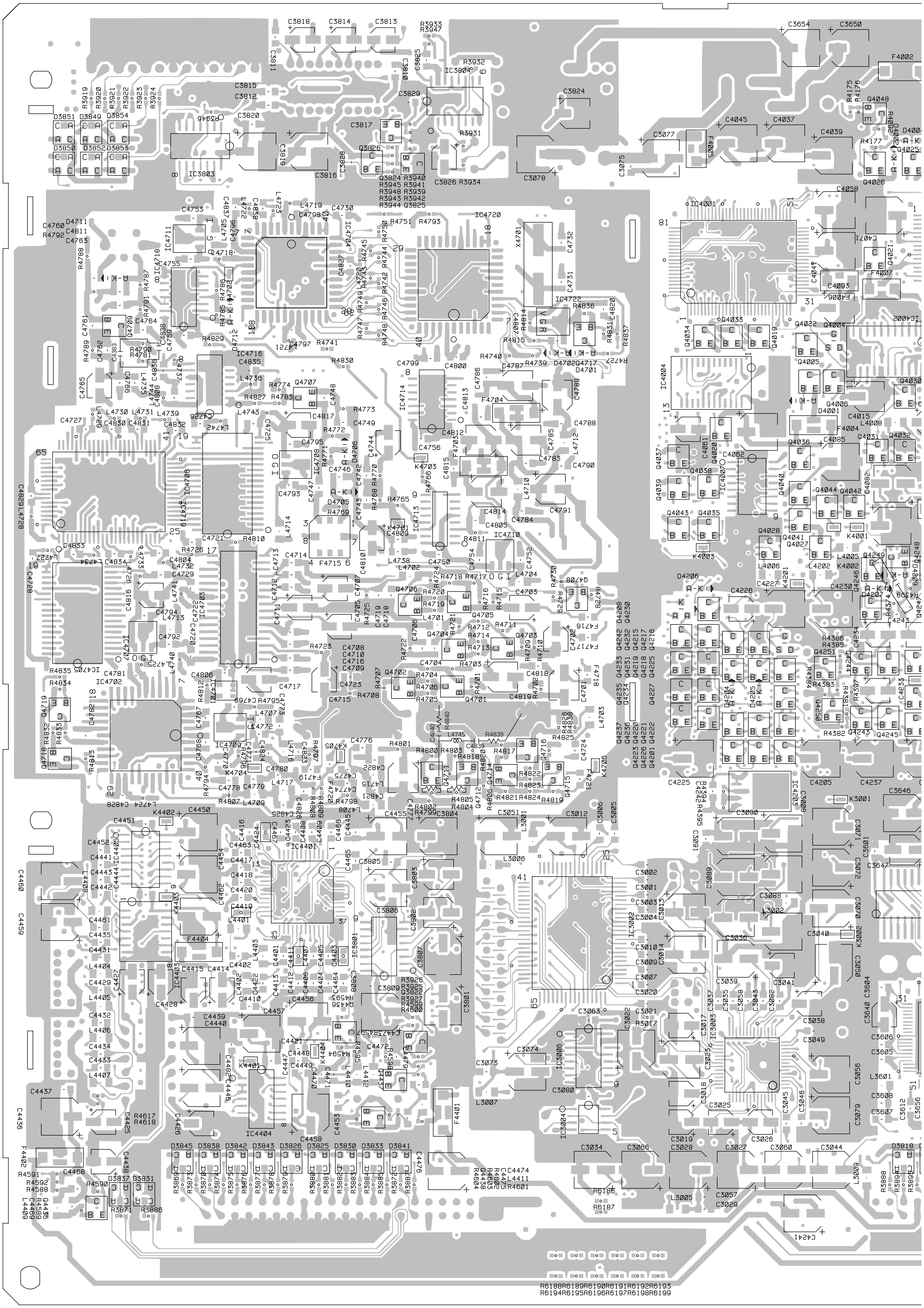

2
3
4
A
B
C
D
1
Y1
Y3
Y4
S CN305 K6
B CN5609 U6
CN3803
IC3802
CN3401
R3466
C3822
C3821
C3823
IC3005
VR3801
L4706
SAA4952WP
PE6001
HRA
HRDFL
PC OUT
SAA4990H
TMS4C2973-26
TDA8755T
F4701
F4702
ATF1186-
ATF1190-
SAA7165
DL4401
DL4402
IC4402
IC3001
C3031
C3065
C3064
DL4403
F3002
F3001
AWV
-1718
-1726
SUB SUFFIX
1 2 3 4 5 6
7 8 9 A B C
L30

SIDE A


5
6
7
8
A
B
C
D
ANP1918-B
J3601
L3008
IC3607
C4089
C4088
C4091
IC3406
IC3407
R3524
VR4001
DL3401
L4004
C3405
X3401
X3402
VR4202
VR4201
DL4201
F3002
F3001
X3001
X3601
F3603
F3604
F3602
F3601
CN3601
Y2
VR4001 VR3801
IC3407 IC3005 IC3802
IC3406 IC3607
VR4201 VR4202
IC4402 IC3001
B CN5606 U5

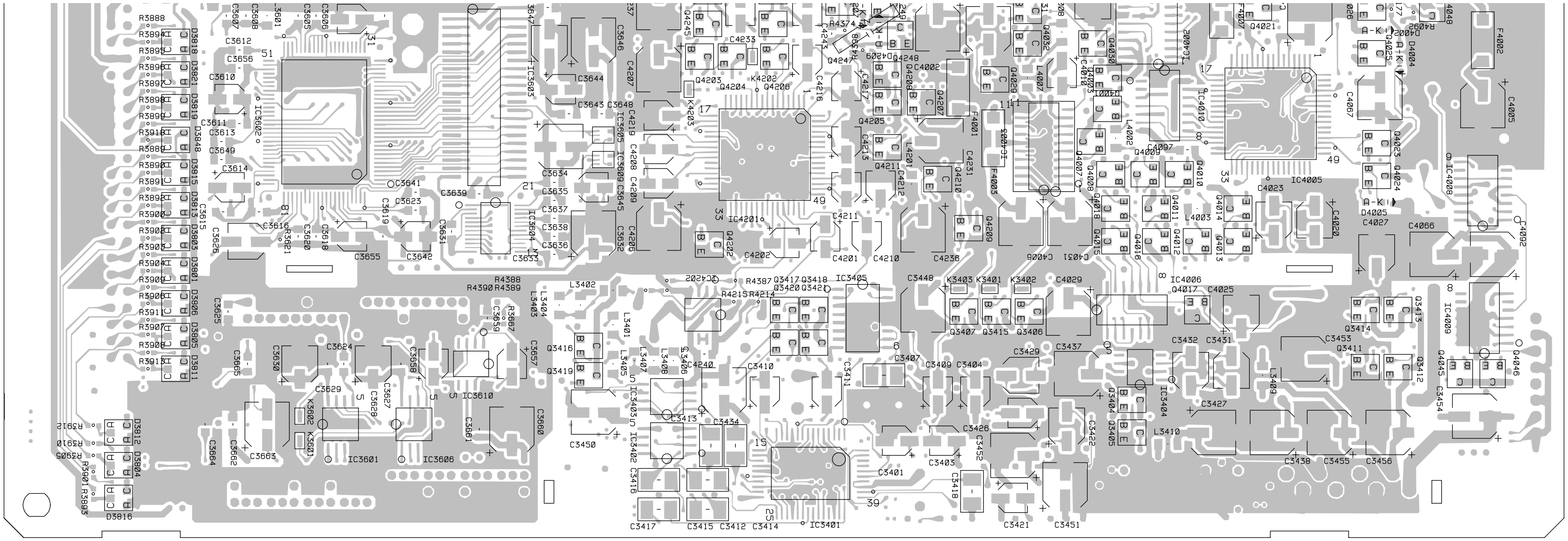
C

C SUB VIDEO ASSY


1
2
3
4
A
B
C
D
IC3803
IC3804
IC4001
IC4004
IC4007
IC4700
IC4701
IC4702
IC4703
IC4705
IC4707
IC4709
IC4710
IC4711
IC4713
IC4714
IC4716
IC4718
IC4720
IC4722
IC4401
IC4403
IC4404
IC4405
IC3001
IC3002
IC3003
IC3004
IC3006
X4701
R6188R6189R6190R6191R6192R6193
R6194R6195R6196R6197R6198R6199

C

SIDE B



Q4435
Q4438

IC3845
IC4404
IC3004

Q4437
IC3602

IC3006

Q4436
Q3822
IC3003
IC3601

IC4403

IC3603
IC3801
IC3604
Q3002
IC3610
IC3606

IC4405
IC4401
Q3416
Q3419

Q4711
Q4712
Q4714
Q4715
IC4203
IC3605
IC3609
IC3404
IC3402

Q4719
Q4718
IC4701
IC4709
Q4701
Q4716
Q4235
Q4237
Q4234
Q4236
Q4227
Q4220
Q4250
Q4221
Q4203
Q4222
Q4204
Q4223
IC4201
Q4226
Q4202
Q4201
IC4202
Q3424
Q3445

IC4707
IC4705
Q4704
IC4702
Q4705
Q4702
Q4703
Q4233
Q4230
Q4231
Q4242
Q4219
Q4232
Q4218
Q4215
Q4225
Q4217
Q4251
Q4216
Q4244
Q3418
Q4206
Q3421
Q3417
IC3401
Q3420

IC4710
IC4703
Q4028
IC4706
Q4041
Q4708
Q4027
Q4246
Q4249
Q4205
Q4248
Q4211
Q4208
IC3405
Q4207

IC4706
IC4719
IC4708
IC4713
Q4037
Q4039
Q4038
Q4043
Q4020
Q4040
IC4007
Q4044
Q4029
Q4042
IC4003
Q4210
Q3406
Q4209
Q3415
Q3407

Q4036
Q4006
Q4031
Q4032
Q4007

IC4707
IC4714
IC4004
Q4005
Q4030
Q4003
Q4001
Q4008
Q4018
Q4015
Q4016
Q3404
Q3405

IC4716
IC4709
Q4717
IC4722
Q4034
Q4033
Q4019
Q4022
Q4004
IC4002
Q4009
IC4010
Q4011
Q4010
Q4012
Q4014
IC4006
Q4013
Q4017
IC3404

IC4718
Q4021

IC3803
IC4711
Q3824
IC4704
Q3825
IC4720
Q4026
IC4001
Q3414
IC4005
Q3411

Q3826
Q4025
Q4023
Q4024
Q3413
Q3412

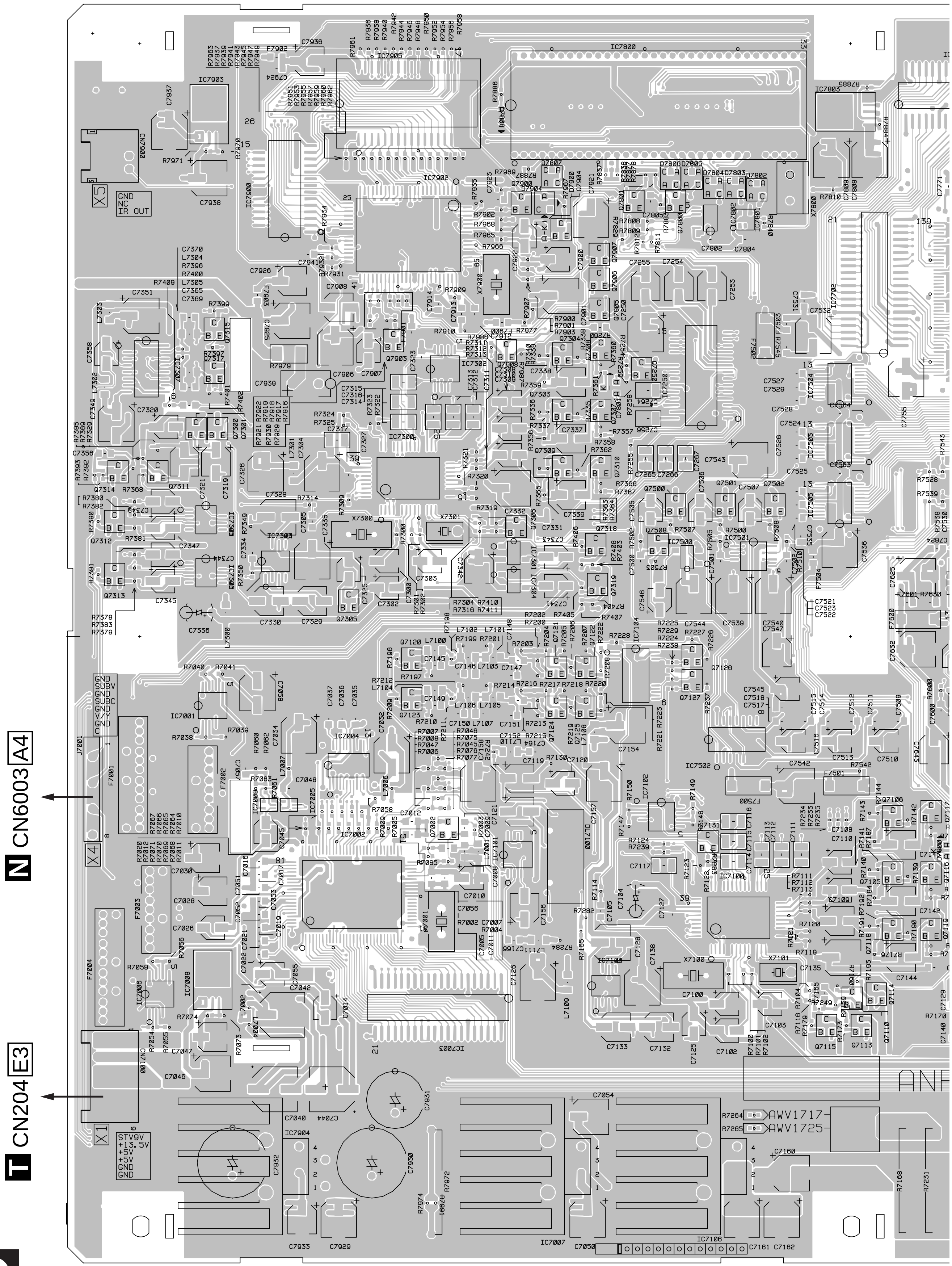
Q4048
IC4008
IC4009
Q4045

IC3084
Q4435

C

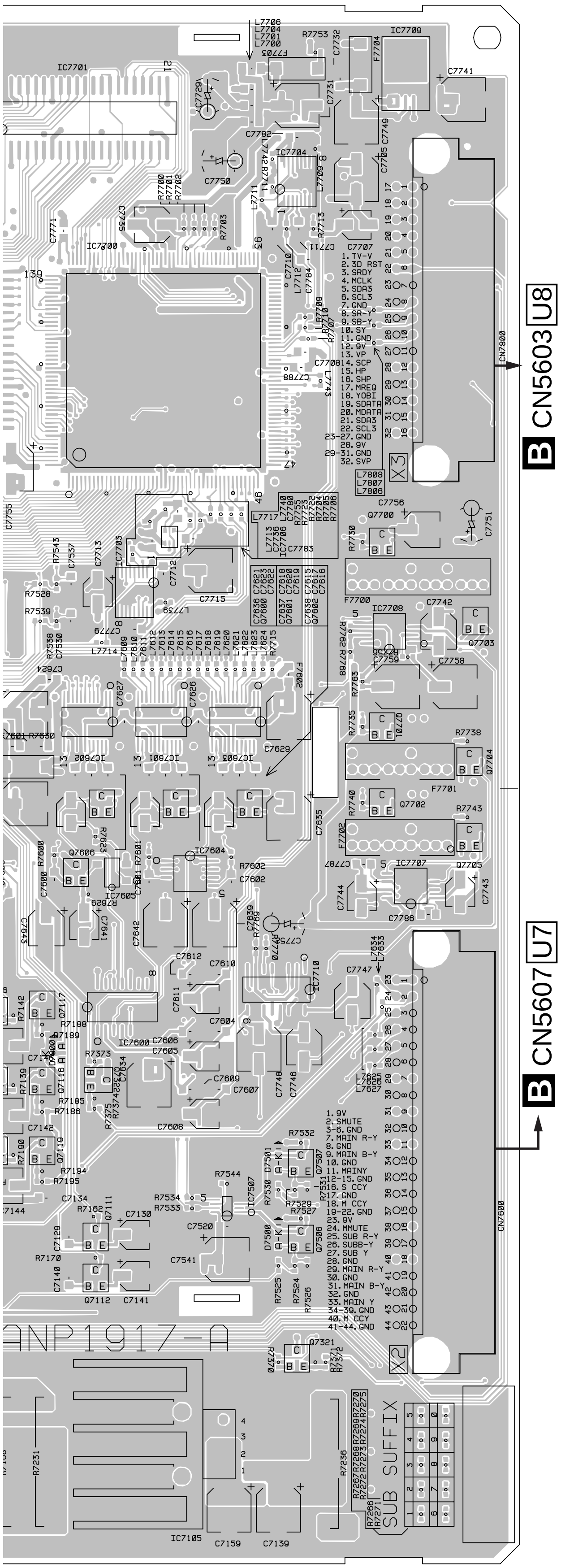
SIGNAL ASSY

D SIGNAL ASSY


N CN6003 A4
T CN204 E3
X5
GND
NC
IR OUT
X4
GND
SUBV
GND
SUBC
GND
V/Y
GND
C
X1
STV9V
+13.5V
+5V
+5V
GND
GND
IC7800
IC7902
IC7003
IC7001
IC7004
IC7904
IC7007
IC7106
AWV1717
AWV1725

D

SIDE A


IC7701
IC7700
IC7709
IC7704
C7707
1. TV-V
2. 3D RST
3. SRDY
4. MCLK
5. SDA3
6. SCL3
7. GND
8. SR-Y
9. SB-Y
10. SY
11. GND
12. 9V
13. VP
14. SCP
15. HP
16. SHP
17. MREQ
18. YOBI
19. SDATA
20. MDATA
21. SDA3
22. SCL3
23-27. GND
28. 9V
29-31. GND
32. SVP
X3
CN7800
B
CN5603
U8
1. 9V
2. SMUTE
3-6. GND
7. MAIN R-Y
8. GND
9. MAIN B-Y
10. GND
11. MAINY
12-15. GND
16. S CCY
17. GND
18. M CCY
19-22. GND
23. 9V
24. MMUTE
25. SUB R-Y
26. SUBB-Y
27. SUB Y
28. GND
29. MAIN R-Y
30. GND
31. MAIN B-Y
32. GND
33. MAIN Y
34-39. GND
40. M CCY
41-44. GND
X2
CN7600
B
CN5607
U7
ANP1917-A
SUB SUFFIX
IC7105
C7159
C7139

IC7709
IC7903 IC7905 IC7805

IC7704

IC7900 Q7900 Q7801 Q7800 IC7802 IC7801
IC7700
Q7907
Q7906
Q7905
Q7315 Q7304 Q7308
IC7307 Q7903 IC7302 Q7908 Q7250
IC7520
Q7303 Q7308

Q7300 IC7300 Q7700
Q7309 Q7310 IC7503 IC7703 IC7706

Q7314 Q7311 Q7500 Q7501 Q7502 IC7705 IC7708 Q7703

Q7312 IC7305 IC7302 Q7305 Q7318 Q7508 IC7500 IC7501

Q7313 IC7306 IC7301 IC7304 Q7319 Q7701

Q7305 Q7319 IC7602 IC7601 IC7603 Q7704

Q7120 Q7121 Q7122 IC7104 Q7126 Q7702

IC7001 IC7004 Q7123 Q7124 Q7125 Q7606 IC7604 IC7707 Q7705

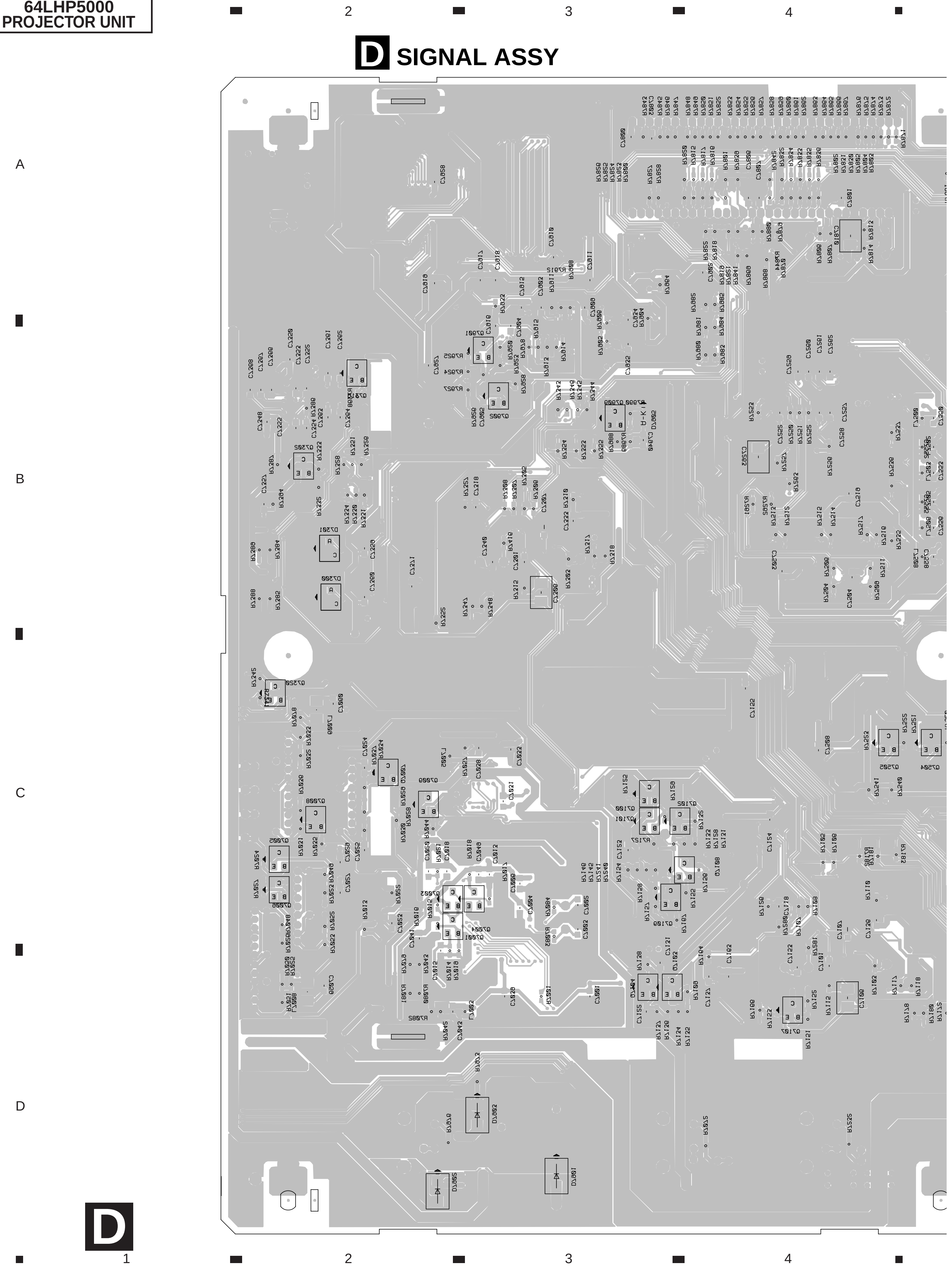
IC7502
IC7009 IC7005 IC7102 Q7131 Q7106 Q7117 IC7600 IC7710

IC7002 Q7002 IC7101 IC7100 Q7105 Q7116 Q7322

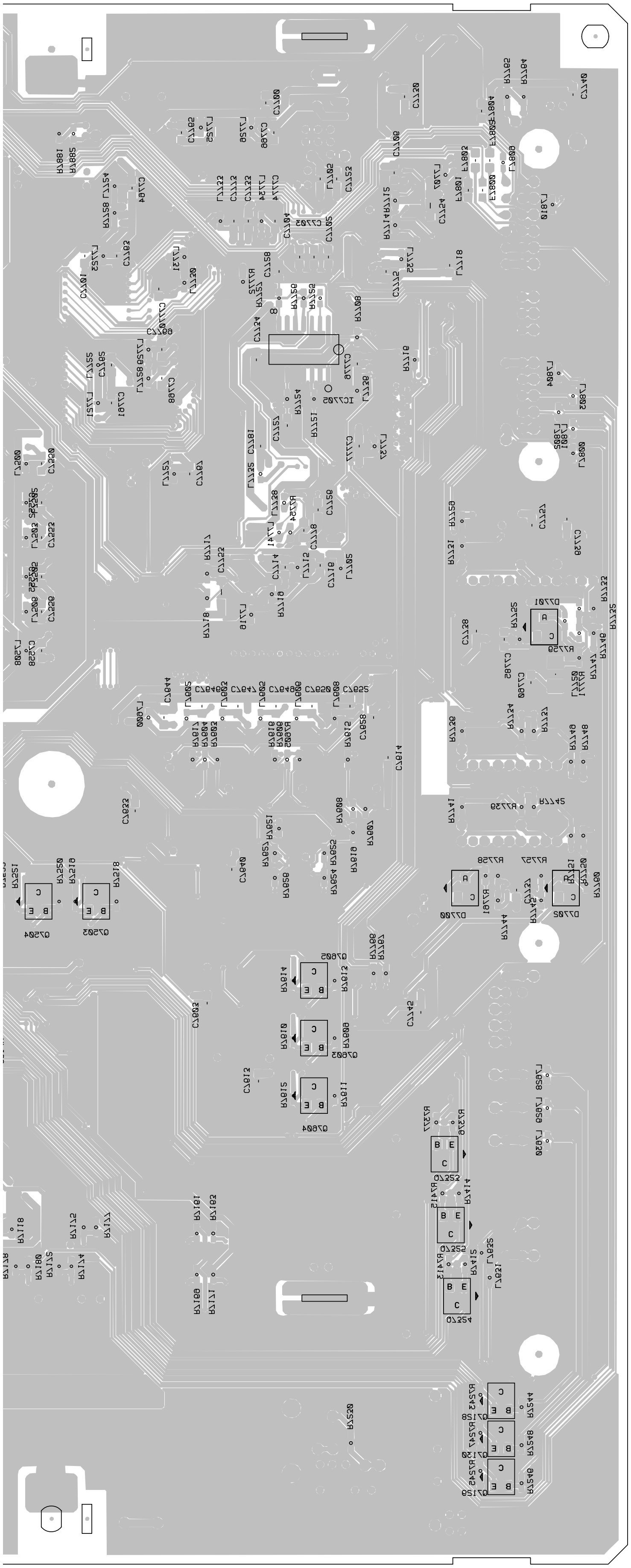
IC7123 Q7118 Q7119 Q7507

Q7114 Q7111 IC7507 Q7506
IC7006 IC7008 IC7003 Q7115 Q7113 Q7110 Q7112 Q7321

D SIGNAL ASSY


2
3
4
A
B
C
D
1
2
3
4
D

SIDE B



Q7901 IC7705

Q7311 Q7902 Q7909

Q7302

Q7320

Q7007 Q7009 Q7505 Q7504 Q7503

Q7008 Q7100 Q7102 Q7101

Q7002 Q7108 Q7603

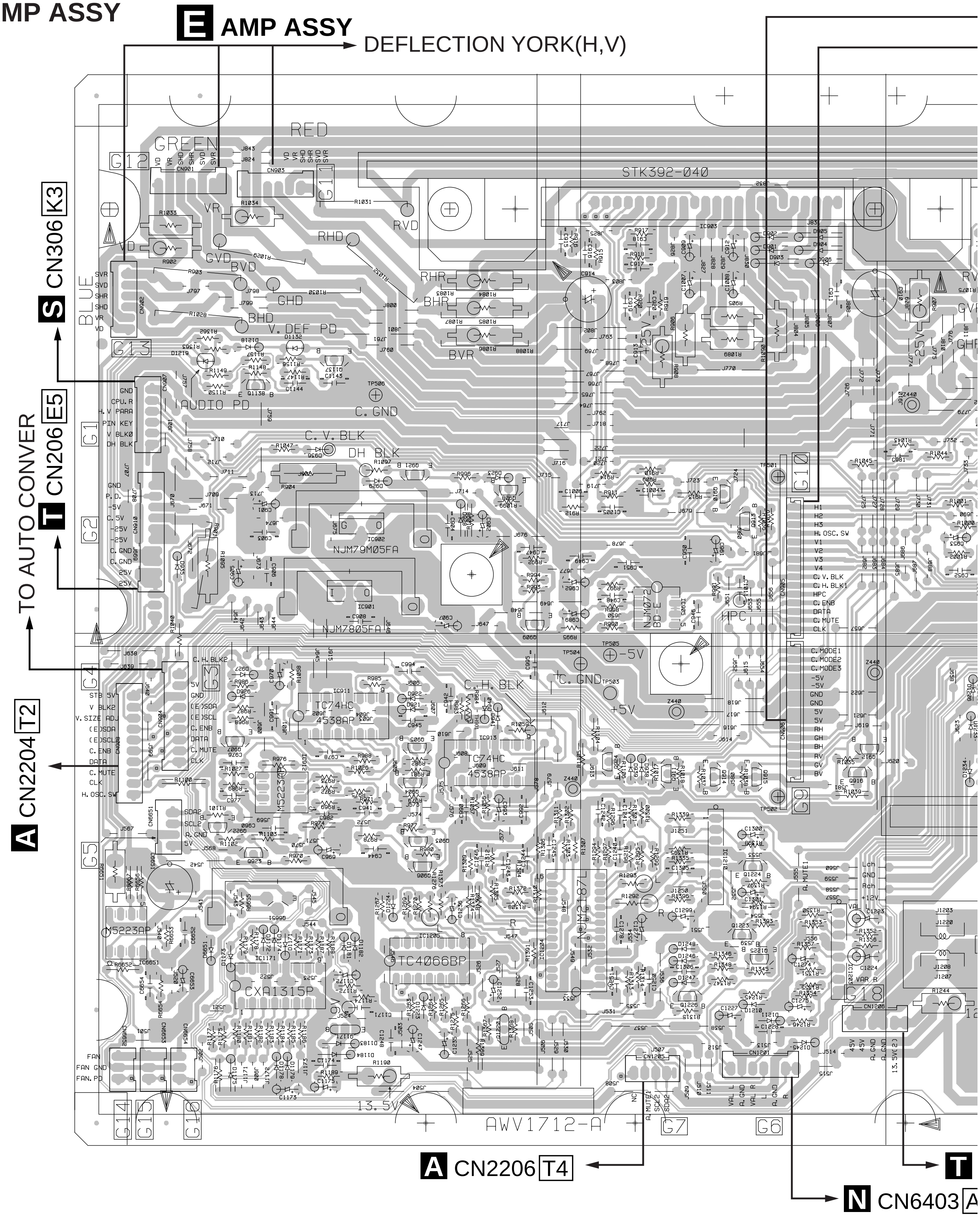
Q7005 Q7003 Q7604 Q7323
Q7004 Q7001 Q7109

Q7104 Q7325

Q7107 Q7324

Q7904 Q7128
Q7130
Q7129
IC7007 IC7106 IC7105

AMP ASSY


E AMP ASSY
DEFLECTION YORK(H,V)
S CN306 K3
TO AUTO CONVER
T CN206 E5
A CN2204 T2
A CN2206 T4
N CN6403 A
T
GREEN
RED
BLUE
STK392-040
NJM79M05FA
NJM7805FA
TC74HC4538AP
M5223AP
TC4066BP
CXA1315P
NJM2187L
AWV1712-A
C. GND
-5V
+5V
13.5V
HPC
A
B
C
D

IC6651

Q1138
Q907
Q922
Q923
IC1171

Q1137
IC902
IC901
IC911
IC912
Q1171

Q921
Q905
Q904
Q903
Q906
IC1205

Q908
Q909
IC913
IC1204
Q1220

Q924

IC903
Q910
IC905
Q911
Q914
Q1226

Q913
Q915
IC1210
Q1224
Q1223
Q1225

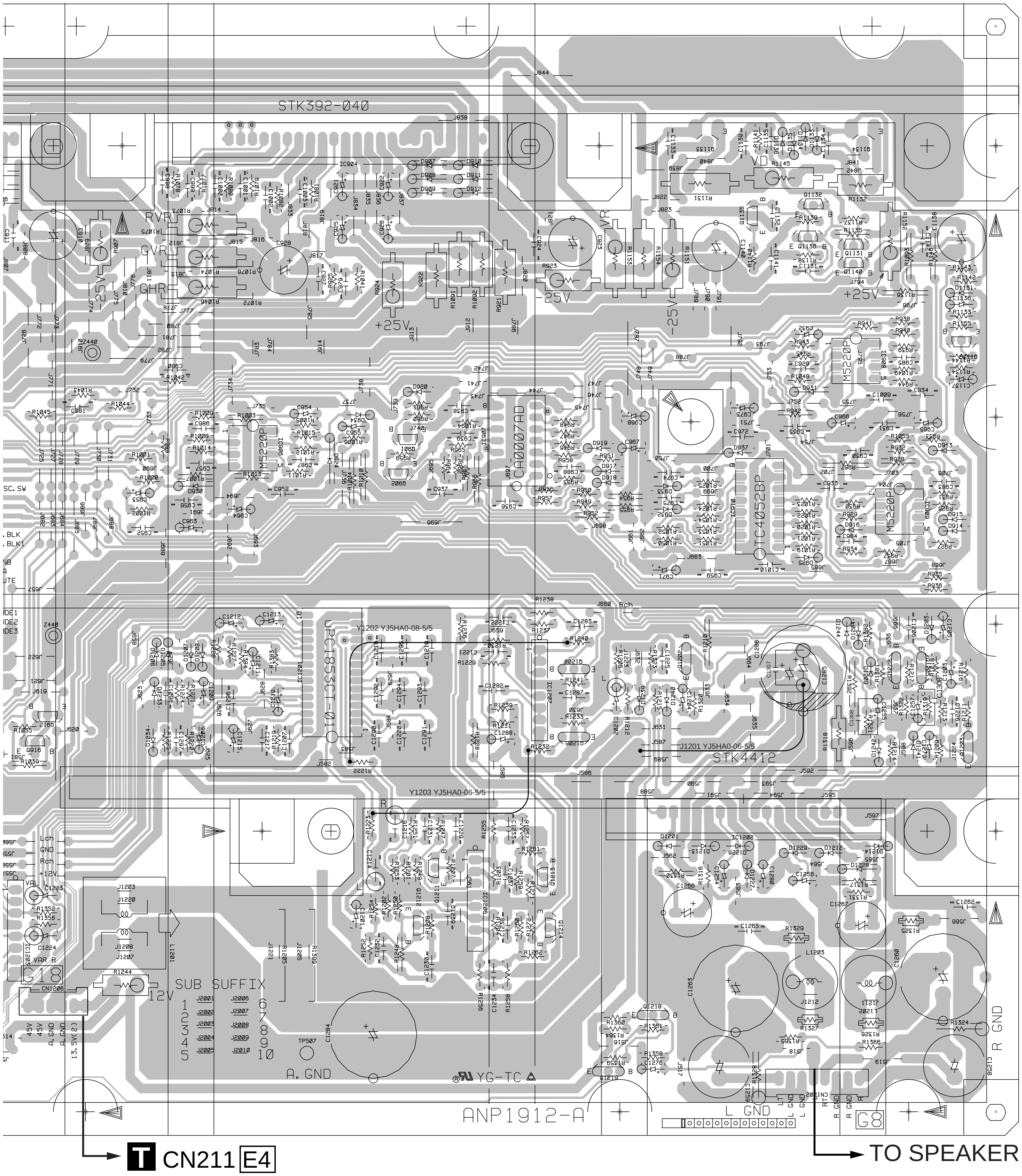
Q912
Q916
IC1203

E

G CN1804 C2

G CN1803 C1

SIDE A


STK392-040
IC904
RVR
GVR
GHR
-25V
+25V
VR
VD
M5220P
CA0007AD
TC4052BP
M5220P
UPC1853CT-01
Y1202 YJ5HA0-08-5/5
J1201 YJ5HA0-06-5/5
Y1203 YJ5HA0-06-5/5
STK4412
Rch
Lch
L
R
SUB SUFFIX
12V
45V
A.GND
TP507
A.GND
YG-TC
ANP1912-A
L GND
R GND
G8
G18
VAR R

T CN211 E4

TO SPEAKER

N CN6403 A1

IC904
IC906
IC1201

Q901
Q902
Q1211
Q1212

IC907
IC1206
IC1207
Q1213
Q1214

Q1208
Q1206
Q1218
Q1219

Q1133
Q1135
IC910
Q1202
IC1202

Q1132
Q1136

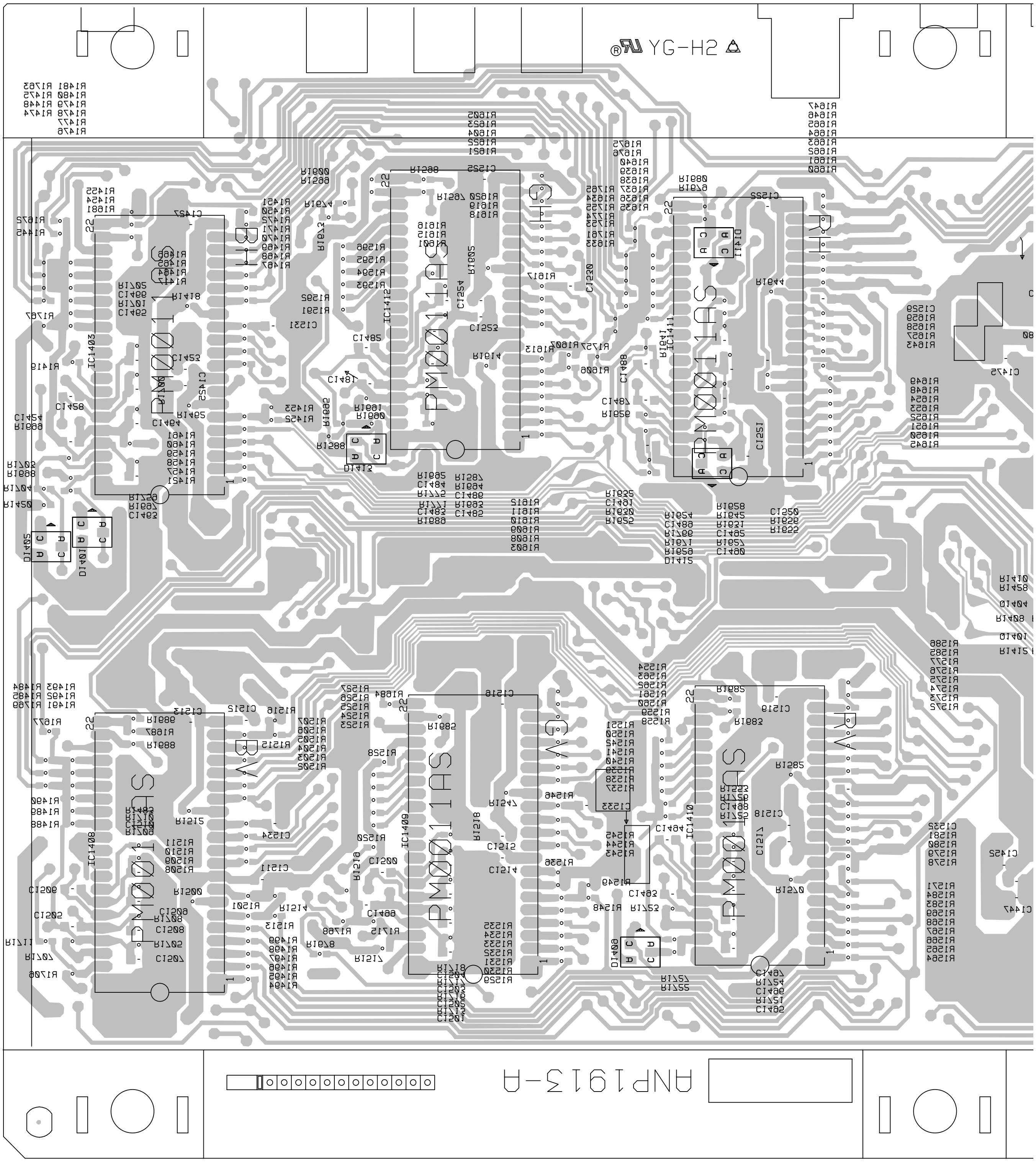
Q1134
Q1131
Q1140
IC908
IC909
Q1222

Q1139
Q1205
Q1203

E

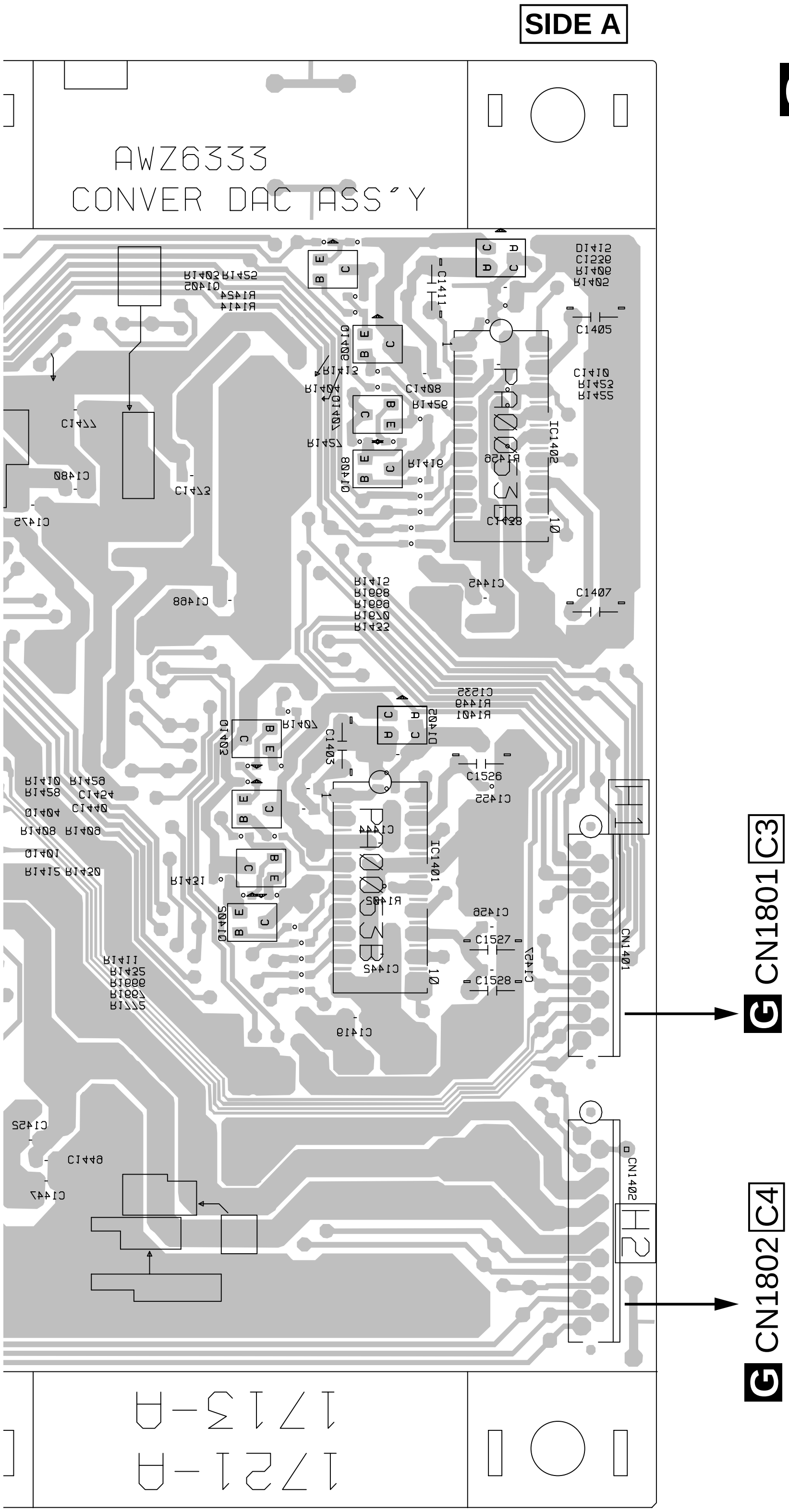
■ CONVER.DAC ASSY, CONNECTOR ASSY

F CONVER.DAC ASSY

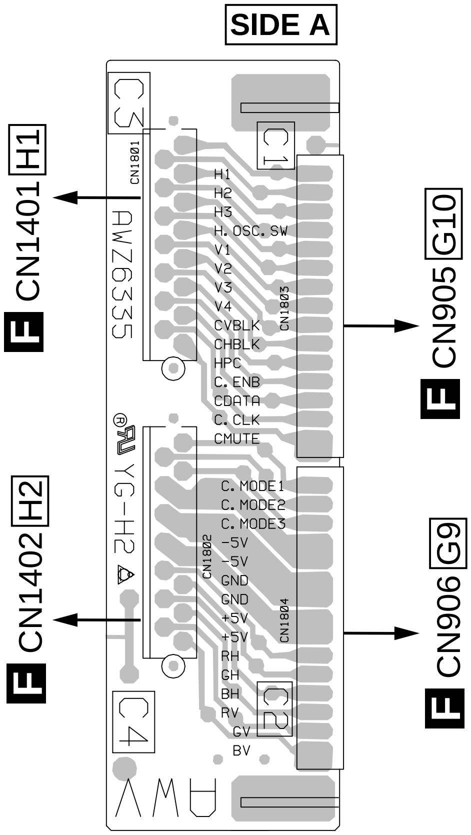


IC1403	IC1412	IC1411
IC1408	IC1409	IC1410

F G


SIDE A
AWZ6333
CONVER DAC ASS'Y
IC1402
IC1401
PA0053B
H1
H2
CN1401
CN1402
G CN1801 C3
G CN1802 C4
1713-A
1721-A

G CONNECTOR ASSY


SIDE A
C3
C1
C2
C4
CN1801
CN1802
CN1803
CN1804
AWZ6335
YG-H2
F CN1401 H1
F CN1402 H2
F CN905 G10
F CN906 G9
H1
H2
H3
H. OSC. SW
V1
V2
V3
V4
CVBLK
CHBLK
HPC
C. ENB
CDATA
C. CLK
CMUTE
C. MODE1
C. MODE2
C. MODE3
-5V
-5V
GND
GND
+5V
+5V
RH
GH
BH
RV
GV
BV
AWD

Q1403	Q1405	IC1402
Q1404	Q1406	
Q1401	Q1407	
Q1402	Q1408	
	IC1401	

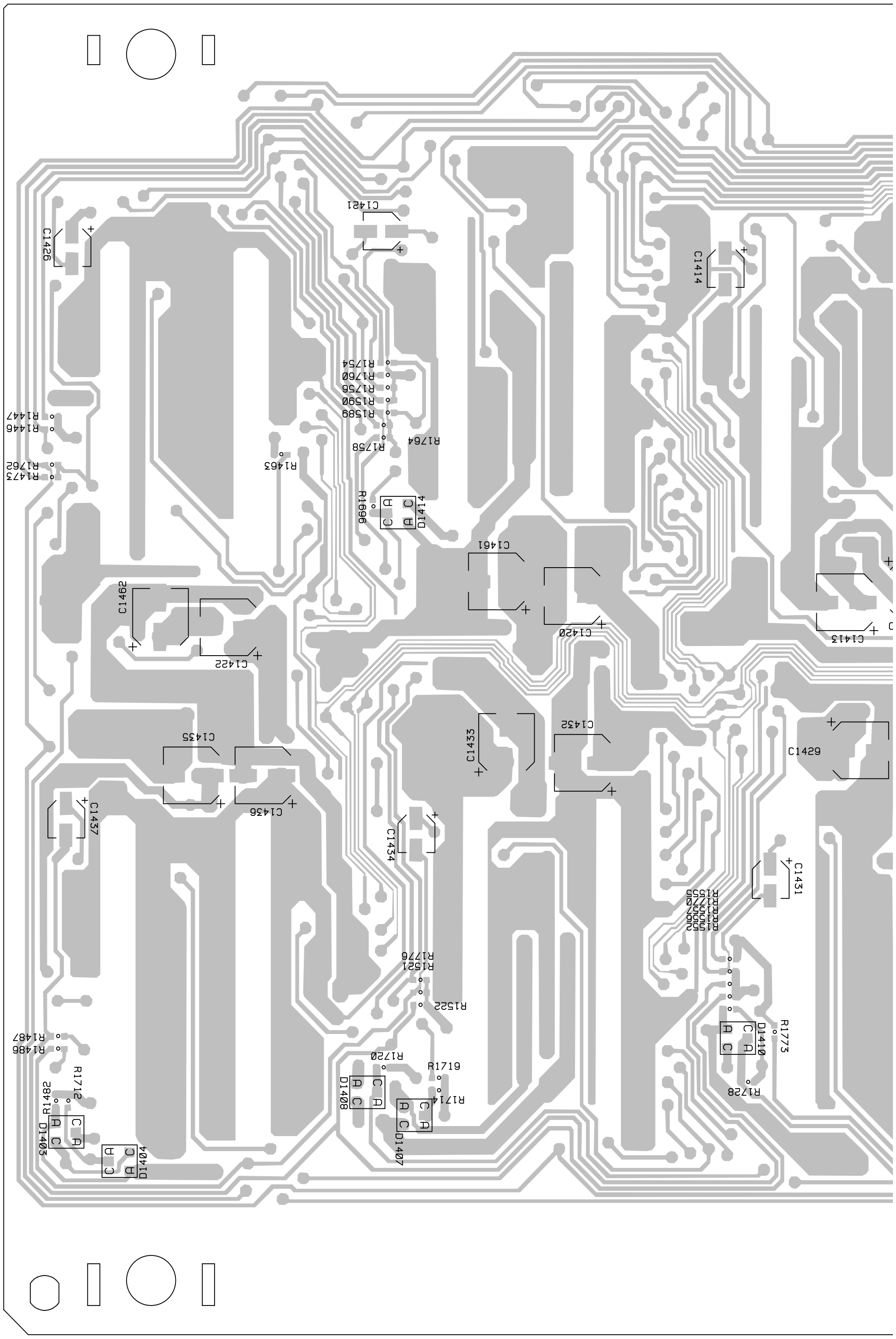
F CONVER.DAC ASSY

A

B

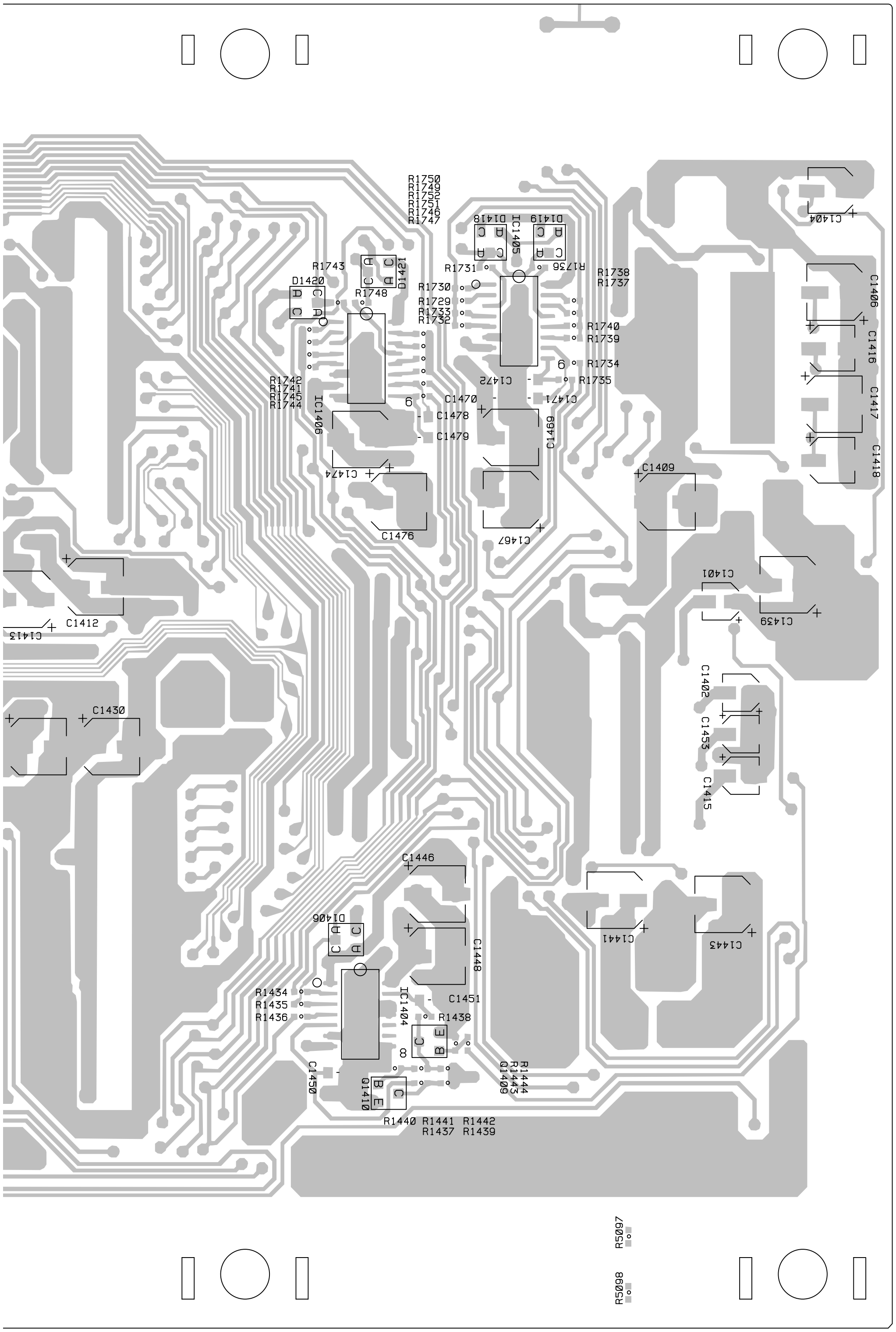
C

D


C1426
C1421
C1414
R1754
R1760
R1756
R1590
R1589
R1447
R1446
R1762
R1473
R1465
R1758
R1764
R1696
D1414
C1461
C1462
C1422
C1420
C1413
C1435
C1433
C1432
C1429
C1437
C1436
C1434
C1431
R1776
R1521
R1522
R1487
R1486
R1712
R1482
D1403
D1404
R1720
R1719
D1408
R1714
D1407
R1773
D1410
R1728

SIDE B

A


R1750
R1749
R1752
R1751
R1746
R1747
D1418
IC1405
D1419
R1743
D1421
D1420
R1731
R1736
R1738
R1737
R1748
R1730
R1729
R1733
R1732
R1740
R1739
R1734
R1735
C1472
C1471
R1742
R1741
R1745
R1744
IC1406
C1470
C1478
C1479
C1469
C1474
C1476
C1467
C1409
C1404
C1406
C1416
C1417
C1418
C1401
C1439
C1412
C1413
C1430
C1402
C1453
C1415
C1446
D1406
C1448
C1441
C1445
R1434
R1435
R1436
IC1404
C1451
R1438
C1450
Q1410
R1444
R1443
Q1409
R1440
R1441
R1442
R1437
R1439
R5097
R5098

B

C

D

IC1404 Q1410 IC1405
Q1409

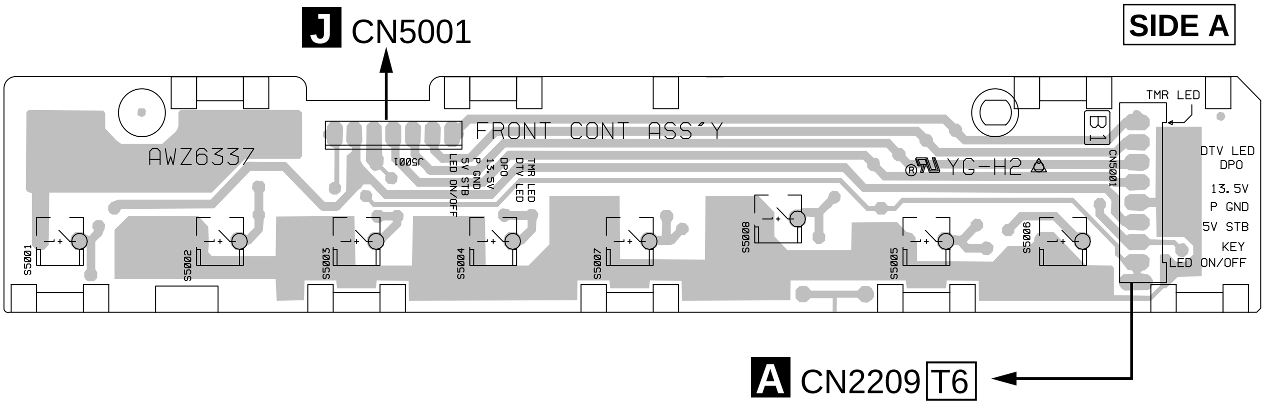
F

FRONT CONTROL ASSY

A

J FRONT CONTROL ASSY

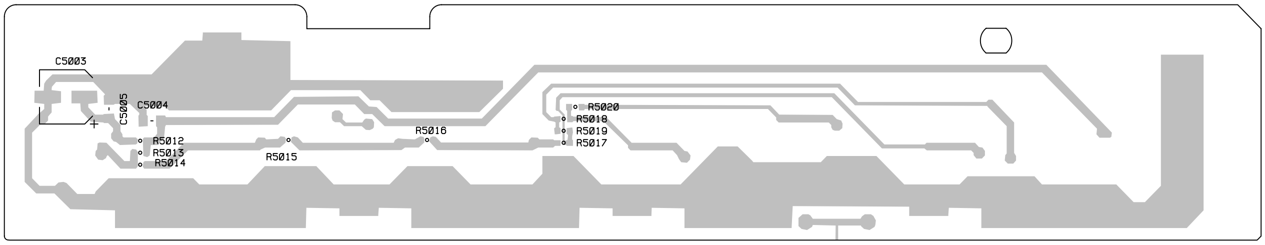
SIDE A


J CN5001
AWZ6337
FRONT CONT ASS´Y
J5001
LED ON/OFF
5V STB
P GND
13.5V
DPO
DTV LED
TMR LED
YG-H2
B1
CN5001
TMR LED
DTV LED
DPO
13.5V
P GND
5V STB
KEY
LED ON/OFF
S5001
S5002
S5003
S5004
S5007
S5008
S5005
S5006
A CN2209 T6

B

J FRONT CONTROL ASSY

SIDE B


C5003
C5005
C5004
R5012
R5013
R5014
R5015
R5016
R5020
R5018
R5019
R5017

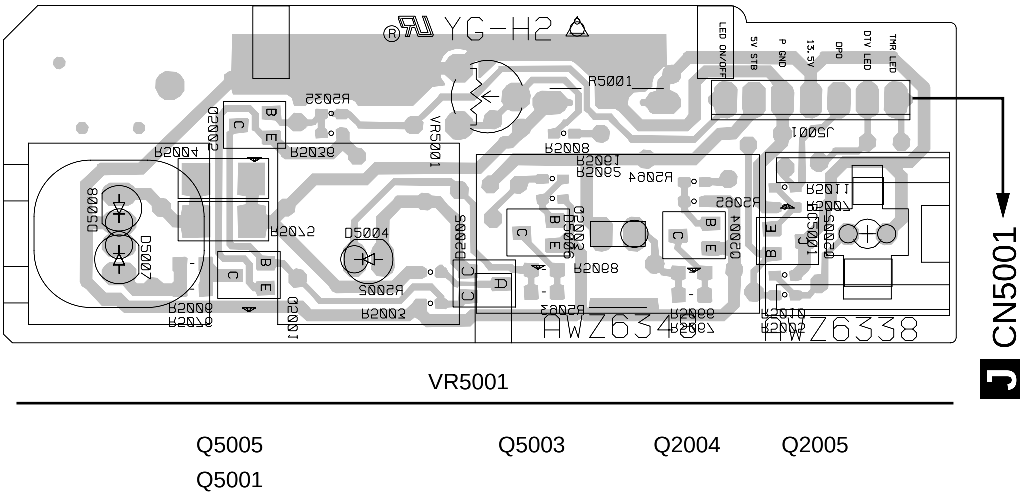
C

D

■ LED DPO ASSY

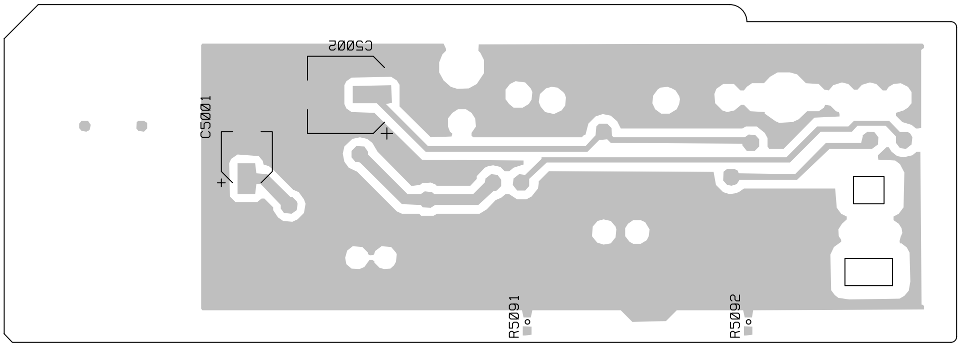
K LED DPO ASSY

SIDE A


YG-H2
LED ON/OFF
5V STB
P GND
13.5V
DPO
DTV LED
THR LED
R5001
J5001
R5022
Q5005
VR5001
R5030
R5004
D5008
D5007
R5072
D5004
D5005
R5005
R5003
Q5001
R5006
R5070
R5008
R5001
R5065
R5064
Q5003
D5006
R5062
Q2004
Q2005
C5001
R5011
R5007
R5068
R5063
R5069
R5067
R5010
AWZ6348
AWZ6338
CN5001
J
VR5001
Q5005
Q5001
Q5003
Q2004
Q2005

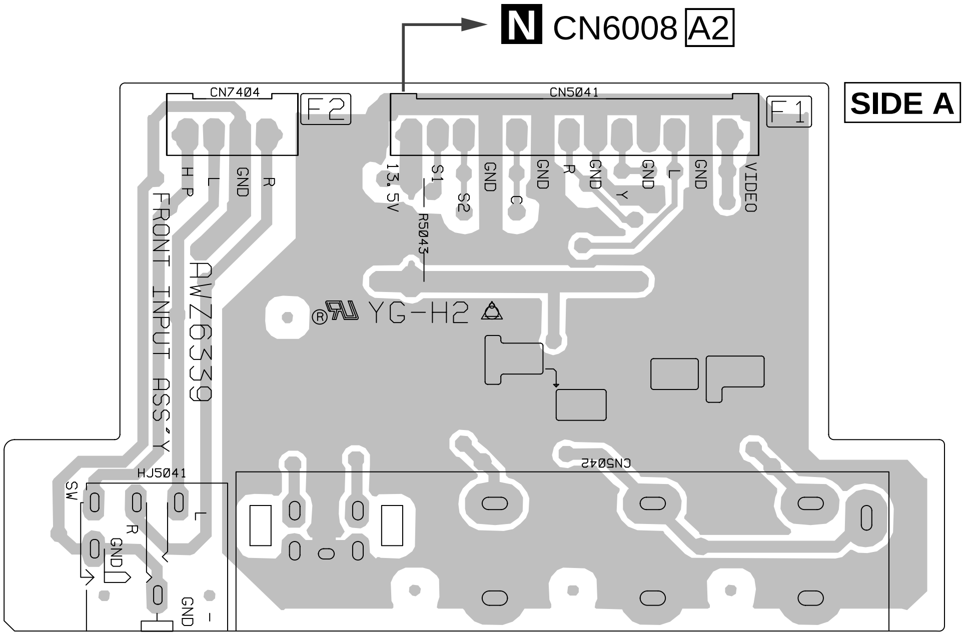
K LED DPO ASSY

SIDE B

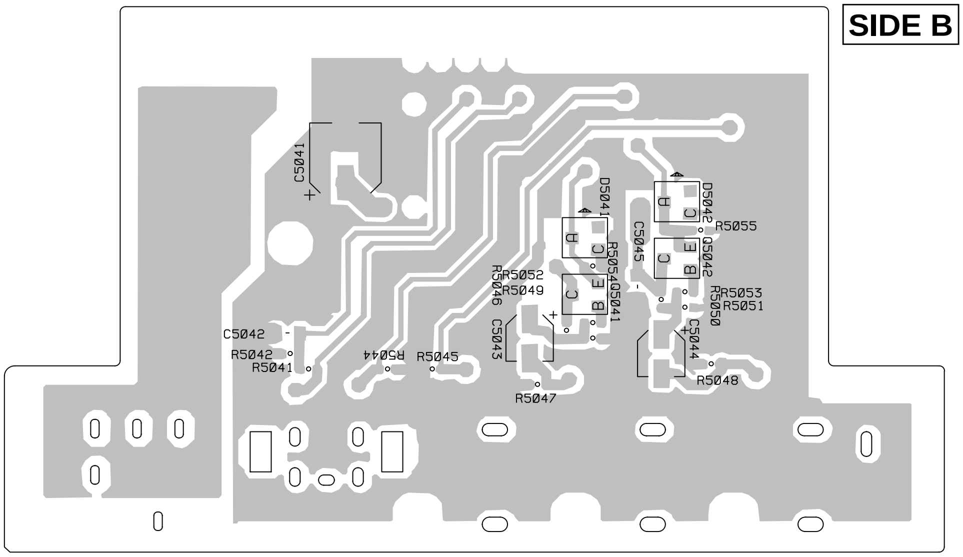

C5002
C5001
R5091
R5092

FRONT INPUT ASSY

I FRONT INPUT ASSY

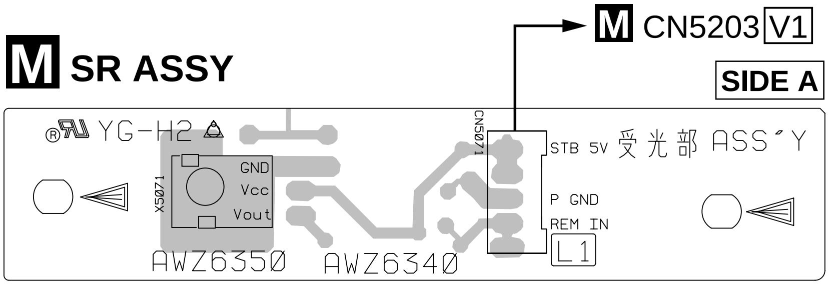

N CN6008 A2
SIDE A
CN7404
F2
CN5041
F1
HP
L
GND
R
13.5V
S1
S2
GND
C
GND
R
GND
Y
GND
L
GND
VIDEO
R5043
FRONT INPUT ASS'Y
AWZ6339
YG-H2
HJ5041
SW
R
GND
L
GND
CN5042

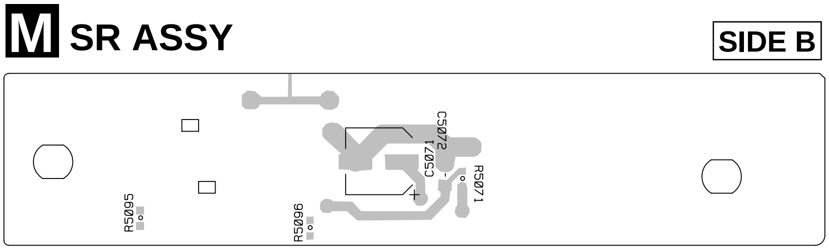
I FRONT INPUT ASSY


SIDE B
C5041
D5041
D5042
R5055
C5045
Q5042
R5054
Q5041
R5052
R5049
R5046
R5053
R5050
R5051
C5042
R5042
R5041
R5044
R5045
C5043
C5044
R5048
R5047
B
C
E

Q5041 Q5042

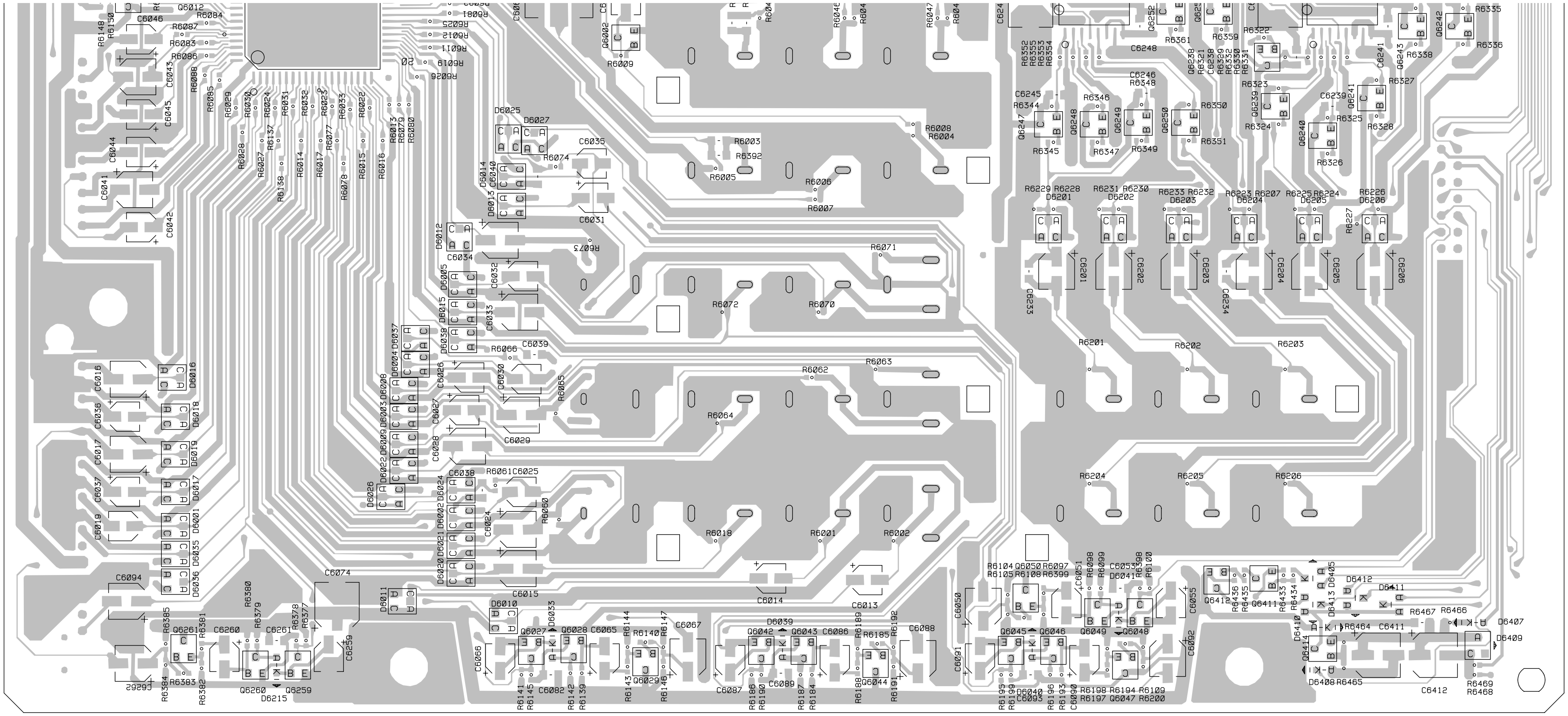
SR ASSY


M SR ASSY
M CN5203 V1
SIDE A
YG-H2
X5071
GND
Vcc
Vout
CN5071
STB 5V 受光部 ASS´Y
P GND
REM IN
L1
AWZ6350
AWZ6340


M SR ASSY
SIDE B
C5072
C5071
R5071
R5095
R5096

■ AV I/O ASSY

N AV I/O ASSY



Q6416
Q6415
Q6034
Q6035
Q6007
Q6040
Q6041
Q6030
Q6012
Q6261

Q6039
Q6033
IC6402
Q6038
IC6003
Q6032
IC6001
Q6259
Q6260

Q6404
Q6403
Q6031
Q6006
Q6005

IC6401
IC6002
Q6025
Q6036
Q6024
Q6022
Q6002
Q6011
Q6023
Q6021
Q6001
Q6027
Q6028

Q6410
Q6409
Q6037
Q6010
Q6029

Q6015
Q6004
Q6014
Q6003
Q3013
Q6413
Q6042
Q6043

Q6020
Q6019
Q6017
Q6016
Q6018
Q6008
Q6044

Q6417
Q6418
Q6408
Q6405
Q6407
Q6406

Q6235
Q6253
Q6247
Q6050
Q6045

IC6403
Q6213
Q6214
Q3215
Q6233
Q6234

Q6236
Q6237
Q6255
Q6248
Q6049
Q6046
Q6047

Q6216
Q6254
IC6203
Q6252
Q6249
Q6048

IC6201
Q6218
Q6217
Q6251
Q6238
Q6250
Q6412

Q6220
Q6219
Q6221
Q6201
Q6204
Q6206
Q6208
Q6210
Q6244
Q6239
Q6411

Q6258
Q6227
Q6229
Q6230
Q6202
Q6203
Q6205
Q6207
Q6209
Q6211
Q6245
IC6202
Q6240
Q6414

Q6212
Q6246
Q6241

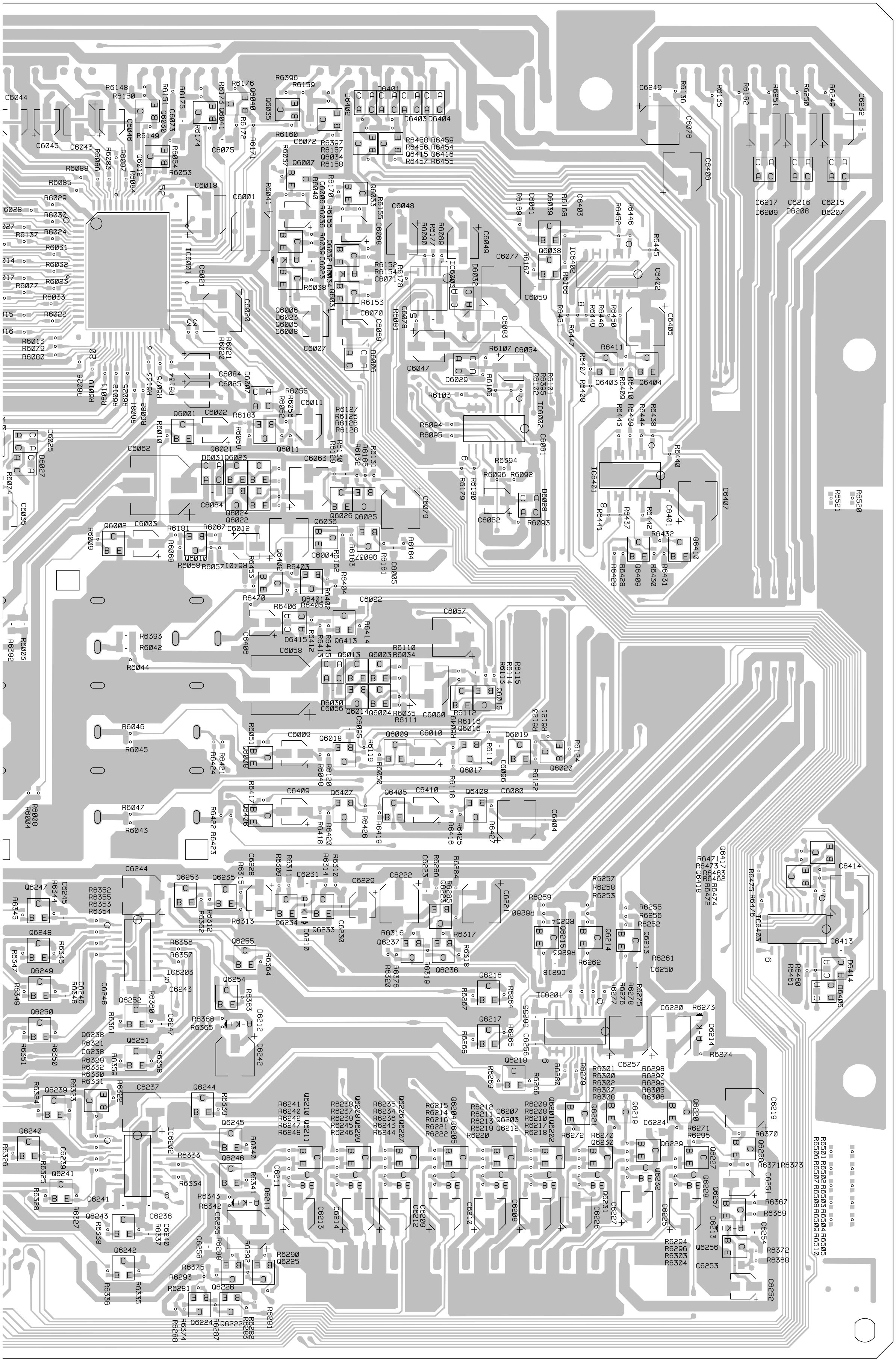
Q6257
Q6228
Q6232
Q6231
Q6234

Q6256
Q6225
Q6226
Q6243

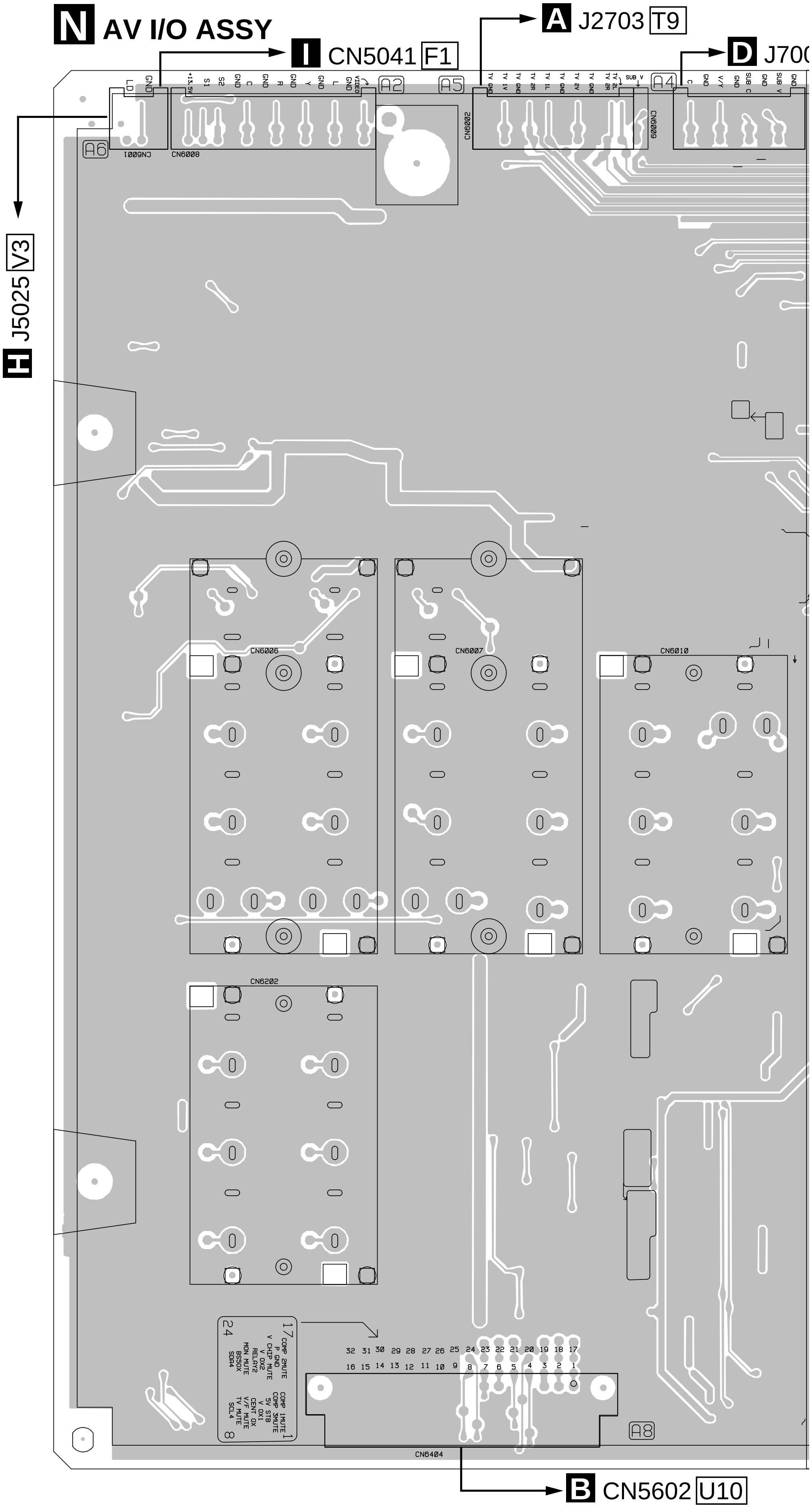
Q6222
Q6224
Q6242

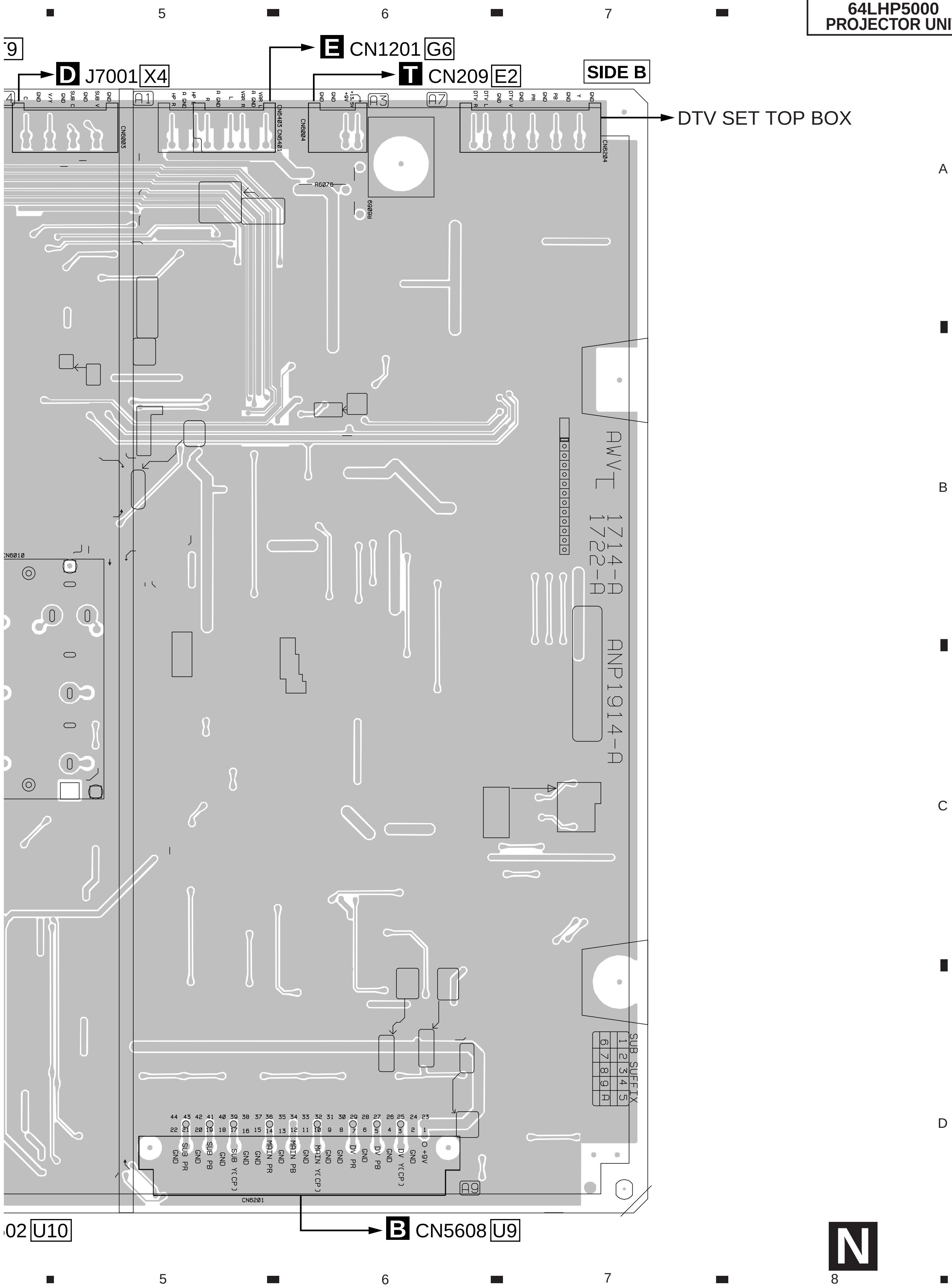
N

SIDE A

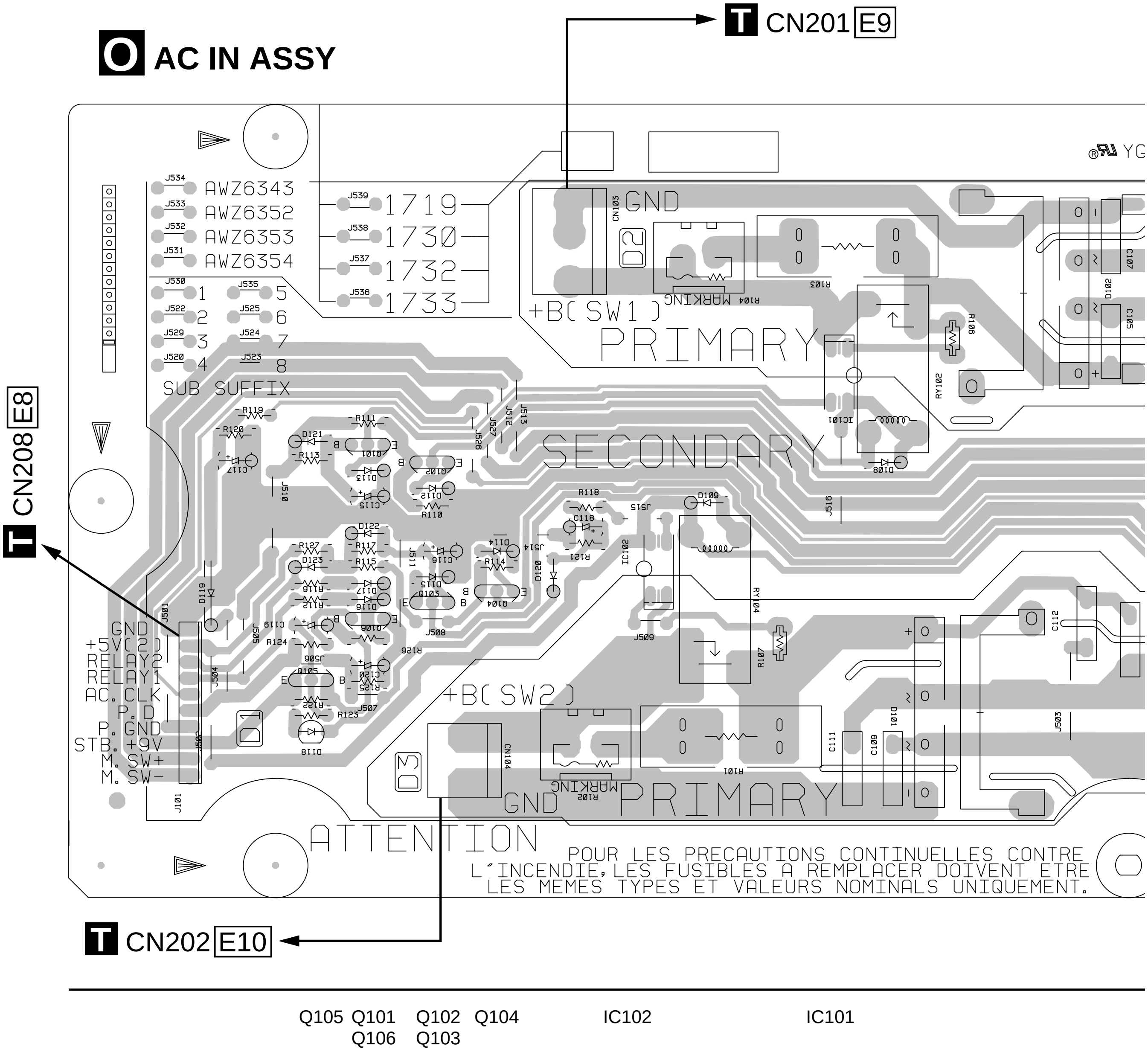

5
6
7
A
B
C
D
8
IC6001
IC6002
IC6401
IC6402
IC6403
IC6201
IC6202
IC6203

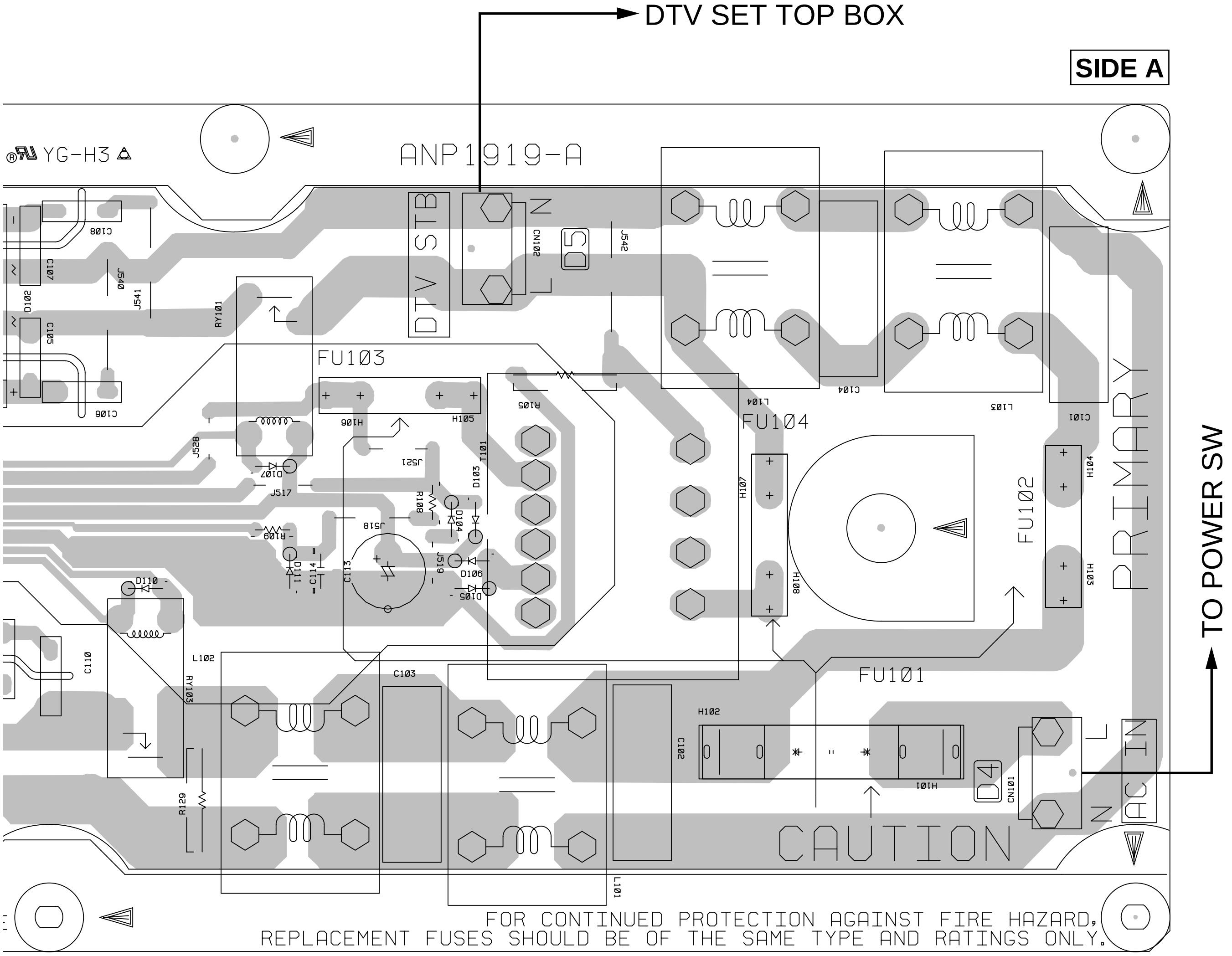
N AV I/O ASSY


A J2703 T9
I CN5041 F1
D J700
H J5025 V3
B CN5602 U10
LD
GND
+13.5V
S1
S2
GND
C
GND
R
GND
Y
GND
L
GND
VIDEO
A2
A5
A6
CN6001
CN6008
CN6002
TV GND
TV 1V
TV GND
TV 2R
TV 1L
TV GND
TV 2V
TV GND
TV 2R
TV 2L
SUB V
CN6009
A4
C
GND
V/Y
GND
SUB C
GND
SUB V
GND
CN6006
CN6007
CN6010
CN6202
17
COMP 2MUTE
P GND
V CHIP MUTE
V OX2
RELAY2
MON MUTE
BS5OX
SDA4
24
1
COMP 1MUTE
COMP 3MUTE
5V STB
V OX1
CENT OX
V/F MUTE
TV MUTE
SCL4
8
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
CN6404
A8


5
6
7
9
D J7001 X4
E CN1201 G6
T CN209 E2
SIDE B
C
GND
V/Y
GND
SUB C
GND
SUB V
GND
CN6003
A1
HP R
A GND
HP L
R
A GND
L
VAR R
A GND
VAR L
CN6403 CN6401
CN6004
GND
GND
+9V
+13.5V
A3
A7
DTV R
DTV L
GND
DTV V
GND
PR
GND
PB
GND
Y
GND
CN6204
DTV SET TOP BOX
R6076
R6069
A
B
C
D
CN6010
AWV 1714-A
1722-A
ANP1914-A
SUB SUFFIX
1 2 3 4 5
6 7 8 9 A
44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23
22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
GND
SUB PR
GND
SUB PB
GND
SUB Y(CP)
GND
GND
MAIN PR
GND
MAIN PB
GND
MAIN Y(CP)
GND
GND
DV PR
GND
DV PB
GND
DV Y(CP)
GND
+9V
A9
CN6201
02 U10
B CN5608 U9
N
8

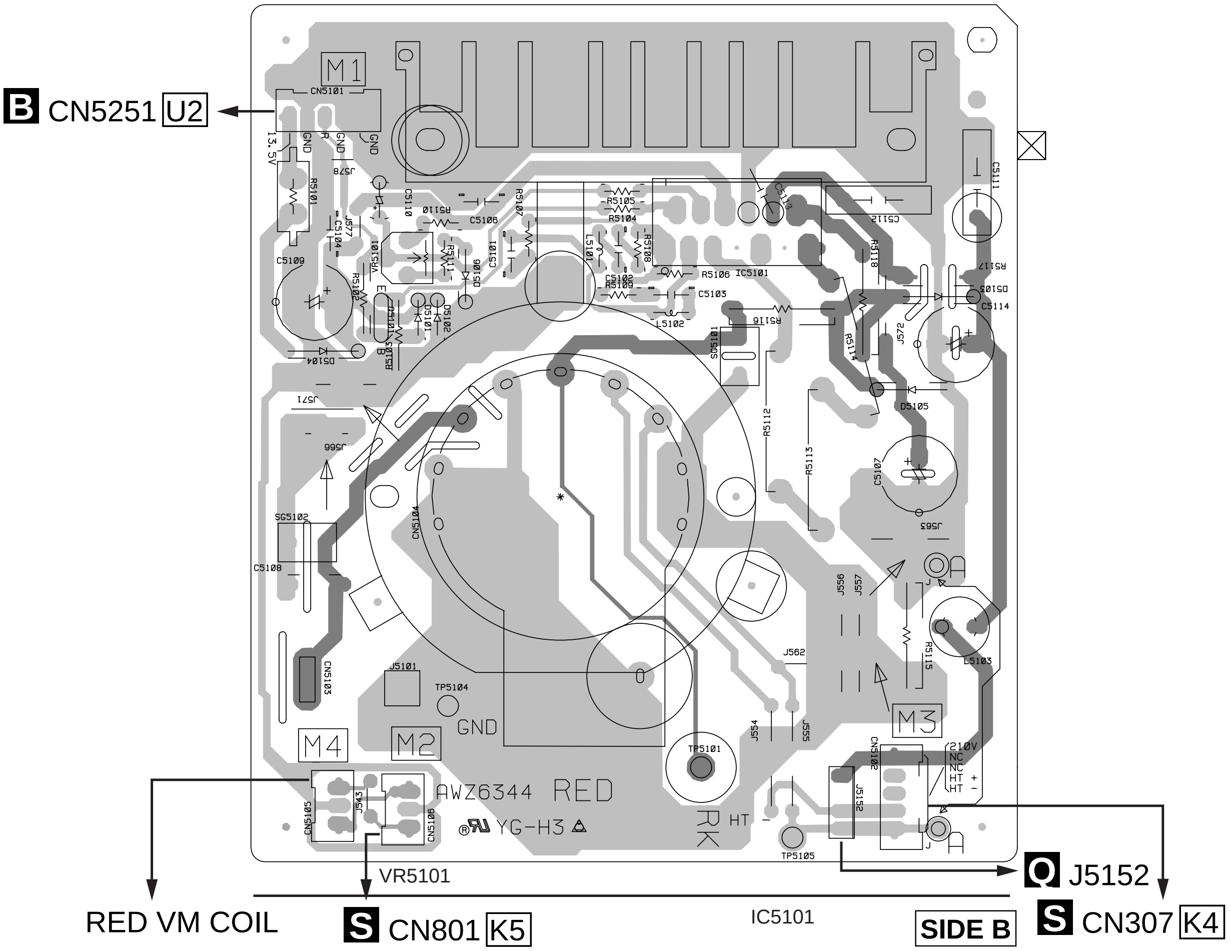
AC IN ASSY


O AC IN ASSY
T CN201 E9
T CN208 E8
T CN202 E10
AWZ6343
AWZ6352
AWZ6353
AWZ6354
1719
1730
1732
1733
1 5
2 6
3 7
4 8
SUB SUFFIX
GND
CN103
D2
R104 MARKING
R103
+B(SW1)
PRIMARY
R106
RY102
IC101
D108
SECONDARY
R119
R120
C117
D121
R113
R111
Q101
Q102
D113
C115
D112
R110
J510
J512
J513
J526
J527
R118
D109
C118
R121
J515
J516
D122
R127
D123
R117
R115
C116
D115
R114
D114
J514
D120
IC102
RY104
R116
D117
R112
D116
Q103
Q104
Q106
C119
J505
R124
J506
Q105
R126
J508
J509
R107
C120
R125
R122
R123
J507
D118
D119
J501
GND
+5V(2)
RELAY2
RELAY1
AC.CLK
P.D
P.GND
STB.+9V
M.SW+
M.SW-
J504
J502
J101
D1
+B(SW2)
CN104
D3
R102
MARKING
GND
PRIMARY
R101
C111
C109
D101
J503
C112
C107
D102
C105
ATTENTION
POUR LES PRECAUTIONS CONTINUELLES CONTRE
L'INCENDIE, LES FUSIBLES A REMPLACER DOIVENT ETRE
LES MEMES TYPES ET VALEURS NOMINALS UNIQUEMENT.
Q105 Q101 Q102 Q104 IC102 IC101
Q106 Q103

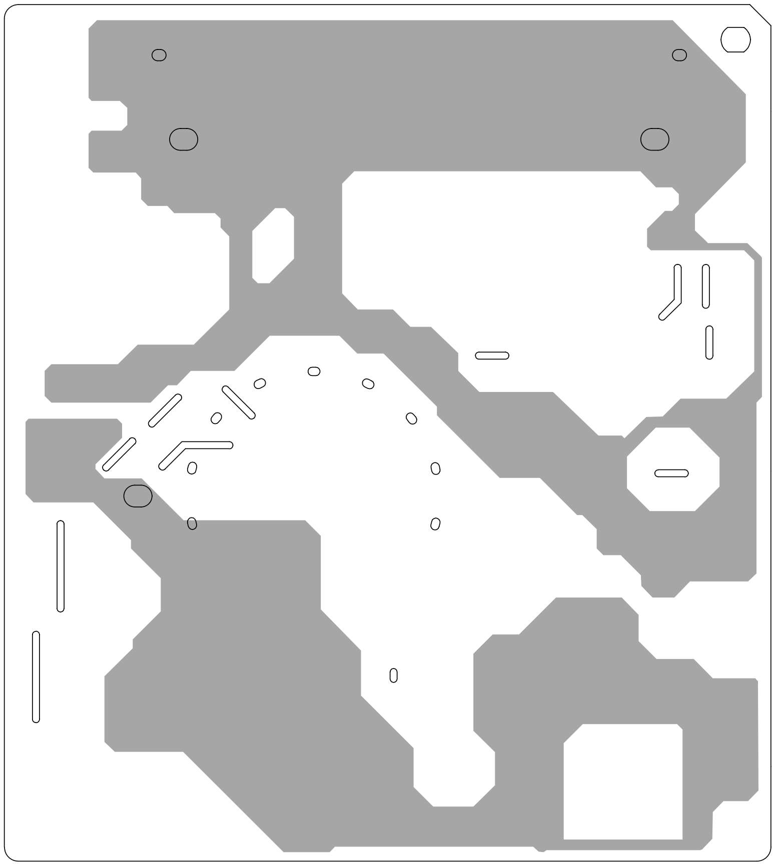

DTV SET TOP BOX
SIDE A
TO POWER SW
YG-H3
ANP1919-A
DTV STB
CN102
D5
J542
J540
J541
RY101
C108
C107
C105
C106
D102
FU103
H106
H105
R105
L104
C104
L103
C101
FU104
J528
D107
J517
J521
T101
D103
R108
D104
J518
R109
D111
C114
C113
J519
D106
D105
H107
H108
FU102
H104
H103
PRIMARY
D110
L102
C110
RY103
C103
C102
H102
FU101
H101
D4
CN101
L
N
AC IN
R129
L101
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.

■ R CRT DRIVE ASSY

P R CRT DRIVE ASSY **SIDE A**

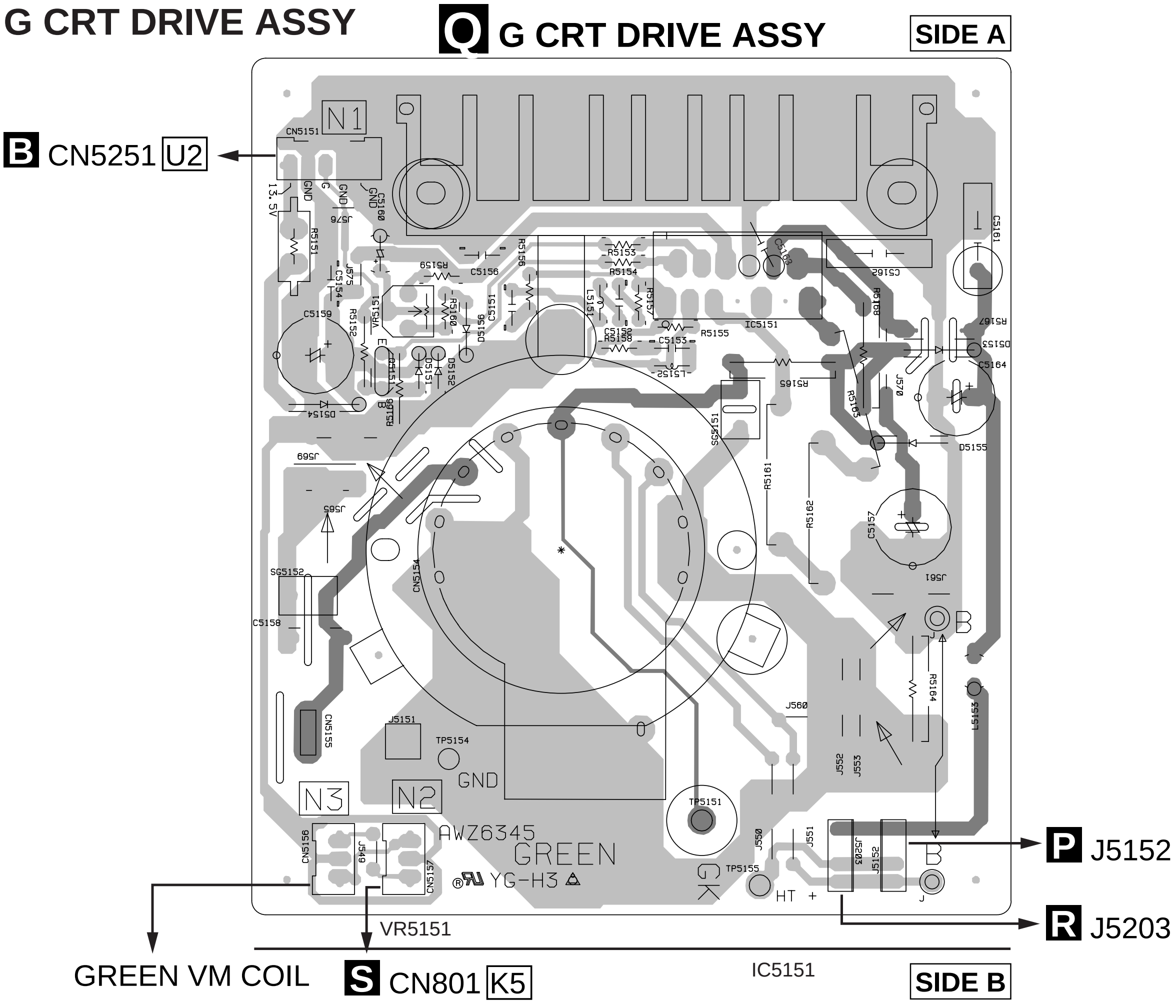

B CN5251 U2
M1
CN5101
13.5V
GND
R
GND
GND
C5111
C5112
R5117
D5108
C5114
C5109
D5104
J571
J566
SG5102
C5108
CN5104
CN5103
J5101
TP5104
GND
M4
M2
CN5105
J543
CN5106
AWZ6344 RED
YG-H3
RK
HT
TP5101
TP5105
SG5101
R5112
R5113
C5107
J563
D5105
J572
R5114
R5118
R5116
IC5101
R5106
C5103
L5102
L5101
R5105
R5104
R5108
C5102
R5109
R5107
C5101
C5106
R5110
C5110
VR5101
R5101
R5102
R5103
J577
J578
C5104
J556
J557
J562
R5115
L5103
J554
J555
M3
CN5102
J5152
210V
NC
NC
HT +
HT −
RED VM COIL
VR5101
S CN801 K5
IC5101
Q J5152
S CN307 K4

SIDE B

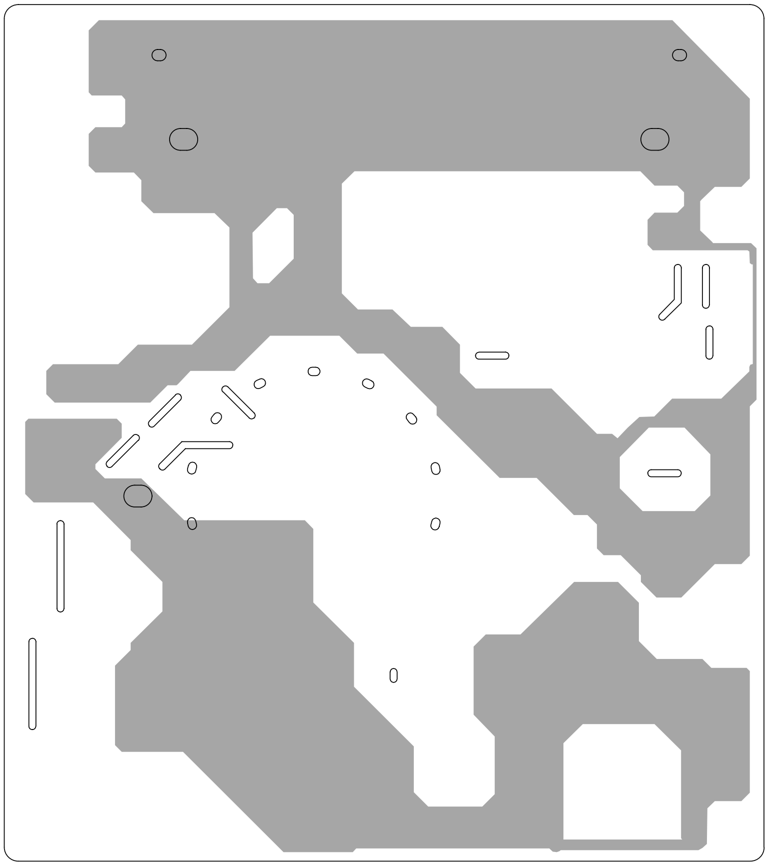


P

■ G CRT DRIVE ASSY

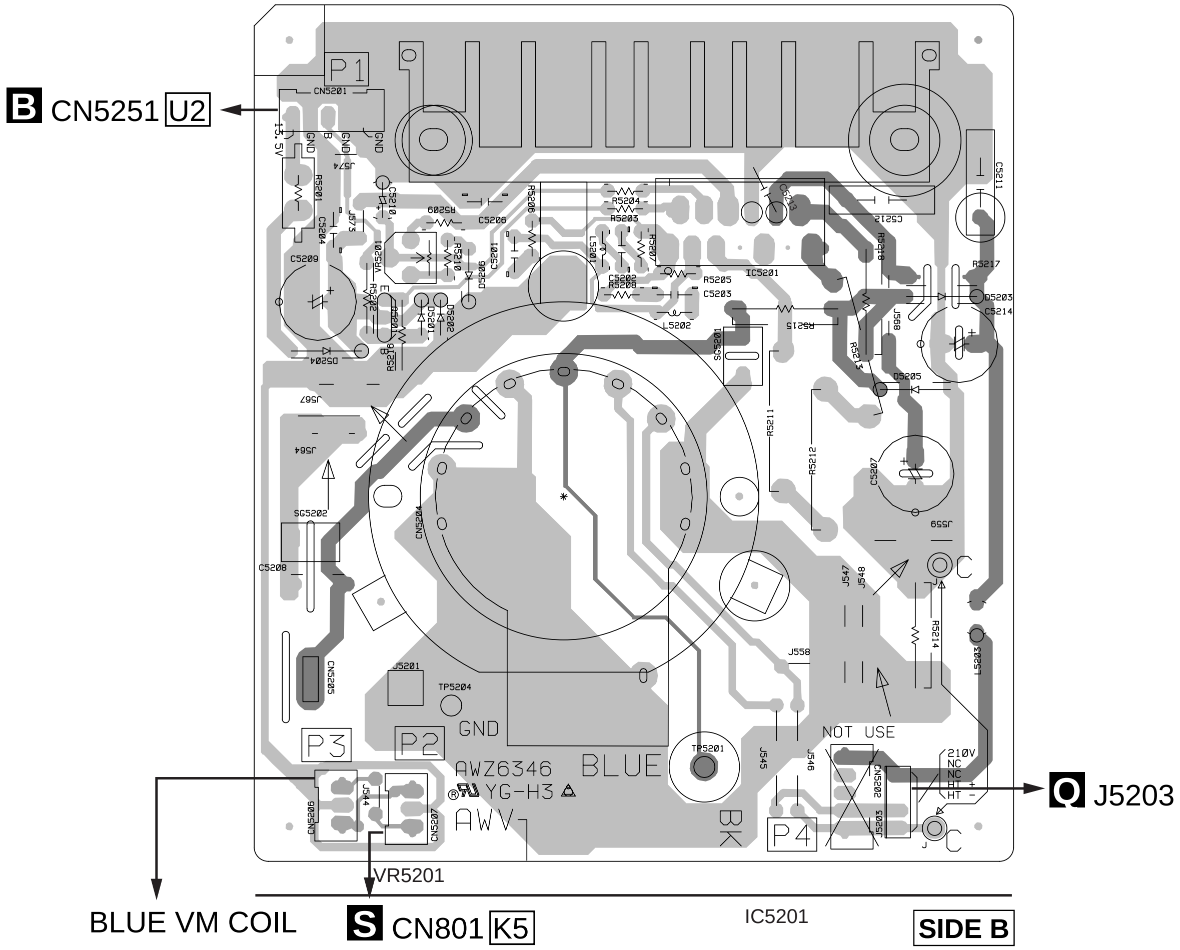

Q G CRT DRIVE ASSY
SIDE A
B CN5251 U2
P J5152
R J5203
GREEN VM COIL
VR5151
S CN801 K5
IC5151
N1
N2
N3
CN5151
13.5V
GND
G
C5160
J576
R5151
J575
C5154
C5159
R5152
VR5151
R5159
R5160
D5156
C5151
C5156
R5156
L5151
R5153
R5154
R5157
C5152
R5158
C5153
R5155
L5152
IC5151
C5163
C5162
C5161
R5168
R5167
D5153
C5164
R5165
R5163
J570
D5154
D5151
D5152
R5150
SG5151
D5155
J569
J565
R5161
R5162
C5157
J561
SG5152
C5158
CN5154
J560
R5164
L5153
CN5155
J5151
TP5154
GND
J552
J553
TP5151
AWZ6345
GREEN
YG-H3
CN5156
J549
CN5157
J550
J551
TP5155
G
K
HT
+
J5203
J5152
B
J

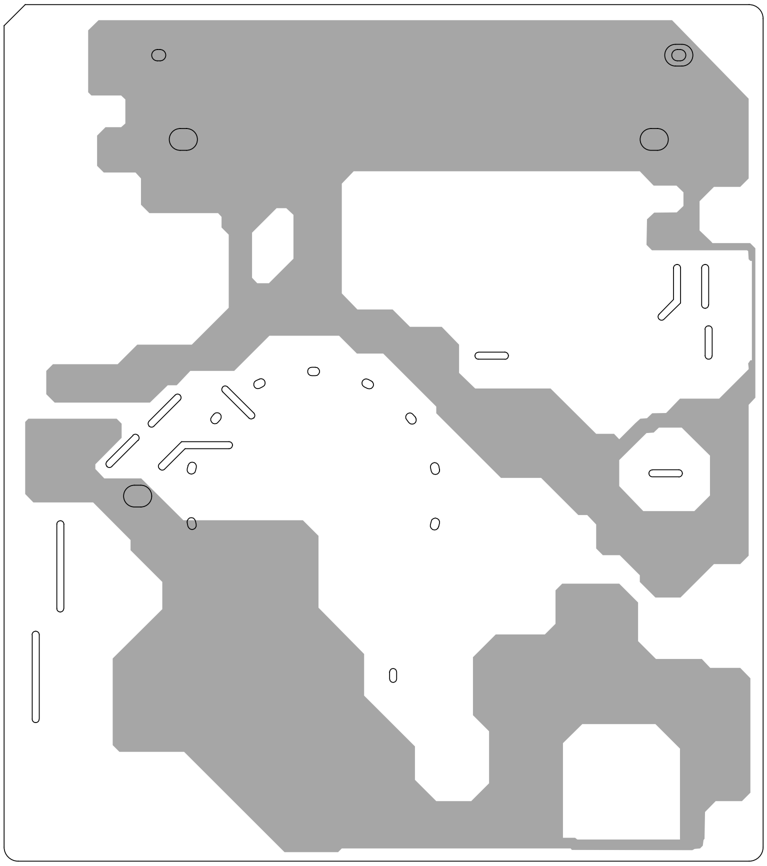
SIDE B



■ B CRT DRIVE ASSY

R B CRT DRIVE ASSY


SIDE A
B CN5251 U2
P1
CN5201
13.5V
GND
B
GND
GND
J574
R5201
C5204
J573
C5210
R5209
C5206
R5206
R5204
R5203
C5213
C5212
C5211
VR5201
R5210
C5201
L5201
R5207
R5218
R5217
C5209
R5202
D5206
C5202
R5208
R5205
C5203
IC5201
D5203
C5214
D5201
D5202
L5202
R5215
J568
D5204
R5216
SG5201
R5213
D5205
J567
R5211
J564
R5212
C5207
SG5202
CN5204
J559
C5208
J547
J548
R5214
L5203
J558
CN5205
J5201
TP5204
GND
NOT USE
P3
P2
AWZ6346
BLUE
TP5201
J545
J546
CN5202
210V
NC
NC
HT +
HT -
Q J5203
YG-H3
AWV
BK
P4
J5203
CN5206
J544
CN5207
VR5201
BLUE VM COIL
S CN801 K5
IC5201
SIDE B

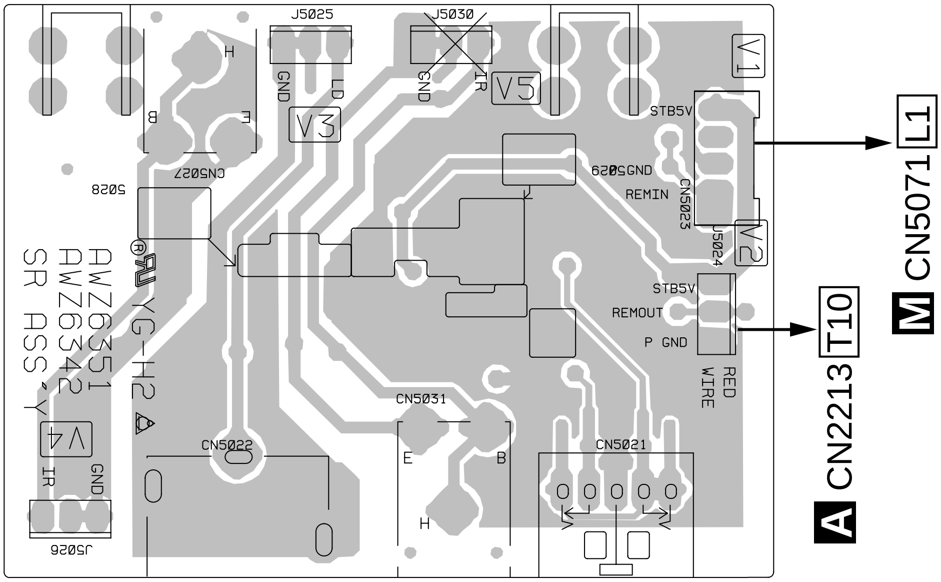


R

SR BNC ASSY, R CRT DRIVE ASSY

H SR BNC ASSY

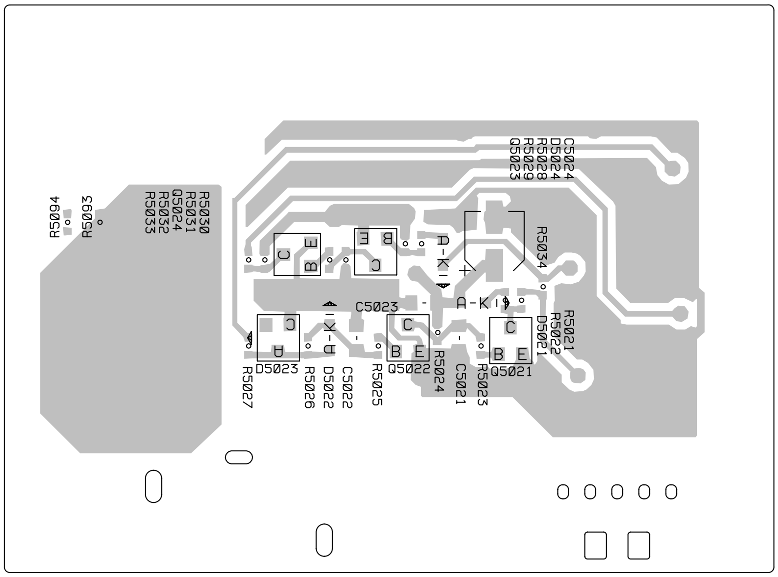
SIDE A


J5025
J5030
GND
LD
GND
IR
V1
V5
V3
V2
V4
H
B
E
STB5V
GND
REMIN
CN5023
J5024
CN5027
5028
AWZ6351
AWZ6342
SR ASSY
YG-H2
STB5V
REMOUT
P GND
RED WIRE
CN5031
CN5022
CN5021
IR
GND
J5026
L1
CN5071
M
T10
CN2213
A

A
B

H SR BNC ASSY

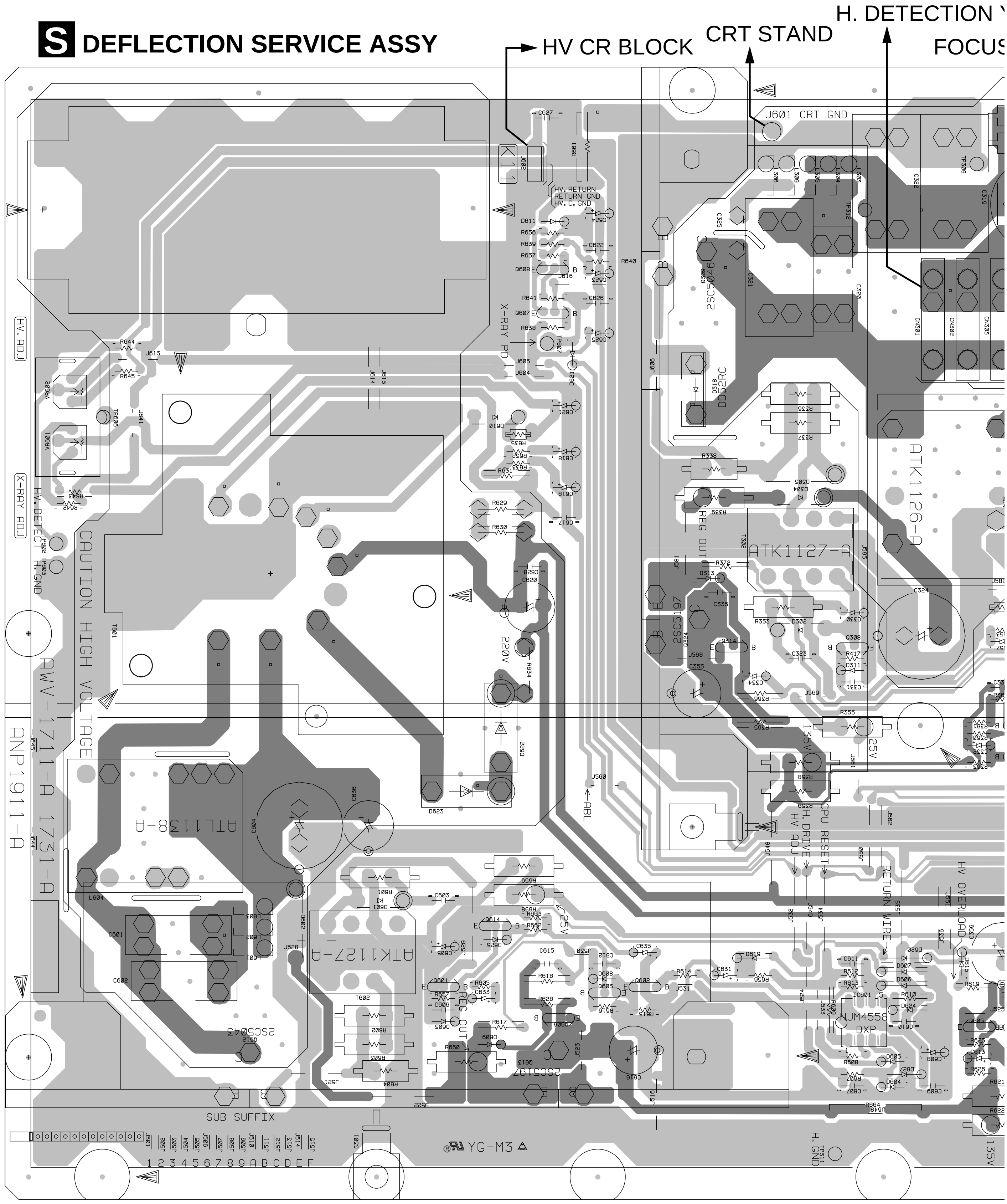
SIDE B


R5094
R5093
R5030
R5031
Q5024
R5032
R5033
C5024
D5024
R5028
R5029
Q5023
R5034
A-K
C5023
R5021
R5022
D5021
D5023
R5027
R5026
D5022
C5022
R5025
Q5022
R5024
C5021
R5023
Q5021
C
B
E

C
D

■ DEFLECTION SERVICE ASSY

S DEFLECTION SERVICE ASSY


HV CR BLOCK
CRT STAND
H. DETECTION
FOCUS
A
B
C
D
J601 CRT GND
K111
HV. RETURN
RETURN GND
HV. C. GND
X-RAY PD
HV. ADJ
X-RAY ADJ
HV. DETECT H. GND
VR602
VR601
CAUTION HIGH VOLTAGE
AWV-1711-A 1731-A
ANP1911-A
ATL1138-A
2SC5046
2SC5043
2SC5197
DD52RC
ATK1126-A
ATK1127-A
REG OUT
220V
135V
25V
Z25V
ABL
H. DRIVE
CPU RESET
HV ADJ
RETURN WIRE
HV OVERLOAD
NJM4558 DXP
SUB SUFFIX
1 2 3 4 5 6 7 8 9 A B C D E F
YG-M3
H. GND
135V

VR601 VR602

T CN1203 E7

Q612

Q601 Q614 Q608
Q607
Q606
Q613

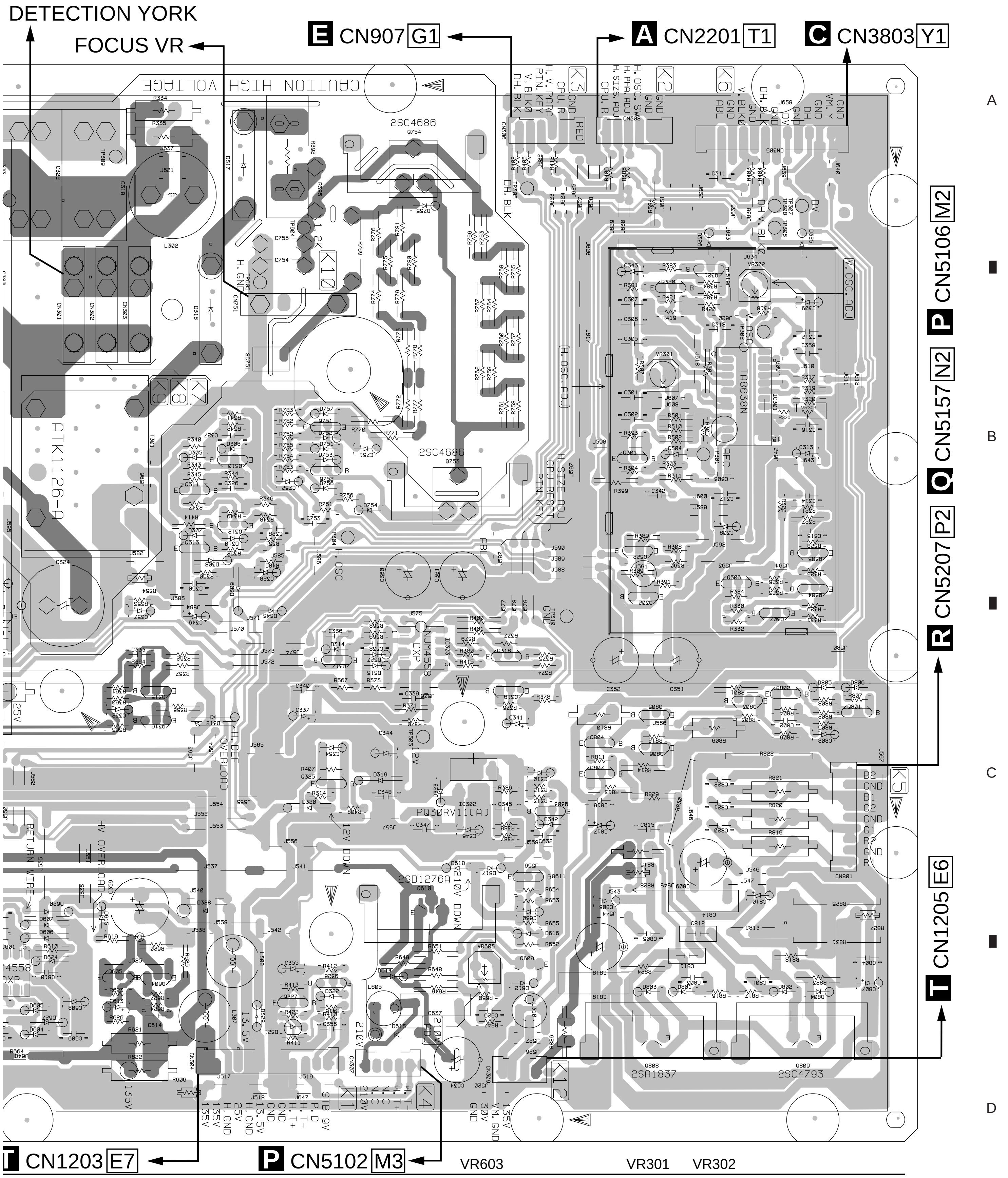
Q603 Q324 Q602

Q309 Q314

Q308 IC601

Q605

S


DETECTION YORK
FOCUS VR
E CN907 G1
A CN2201 T1
C CN3803 Y1
P CN5106 M2
Q CN5157 N2
R CN5207 P2
T CN1205 E6
T CN1203 E7
P CN5102 M3
CAUTION HIGH VOLTAGE
2SC4686
ATK1126-A
TA8638N
NJM4558 DXP
PQ30RV11(A)
2SD1276A
2SA1837
2SC4793
H.OSC.ADJ
V.OSC.ADJ
H.SIZE ADJ
CPU RESET
PIN.KEY
H.DEF OVERLOAD
HV OVERLOAD
RETURN WIRE
12V DOWN
210V DOWN
B2 GND B1 G2 GND G1 R2 GND R1
A
B
C
D

VR603 VR301 VR302

Q308
C601

Q605

Q315 Q316 Q604

Q311 Q313

Q310 Q312

Q751 Q752 Q317 Q325 Q327

Q326

Q754 Q753 IC303 IC302 Q610

IC302

Q318 Q319

Q303 Q611 Q609

Q301 Q804 Q807

Q320 Q322 Q805 Q806

IC301 Q306 Q308

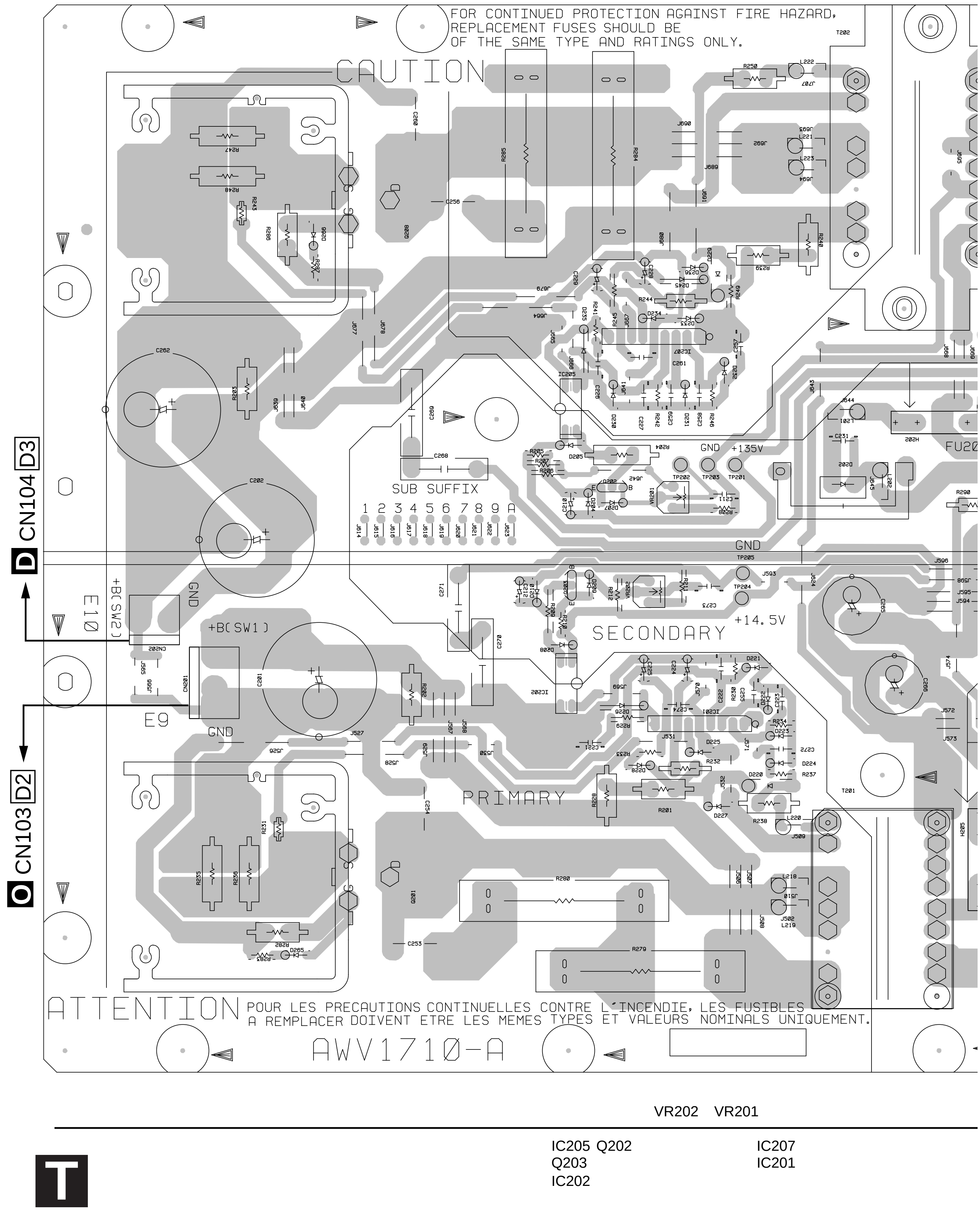
Q307 Q308

Q305 Q304 Q801 Q809

S

■ POWER SUPPLY ASSY

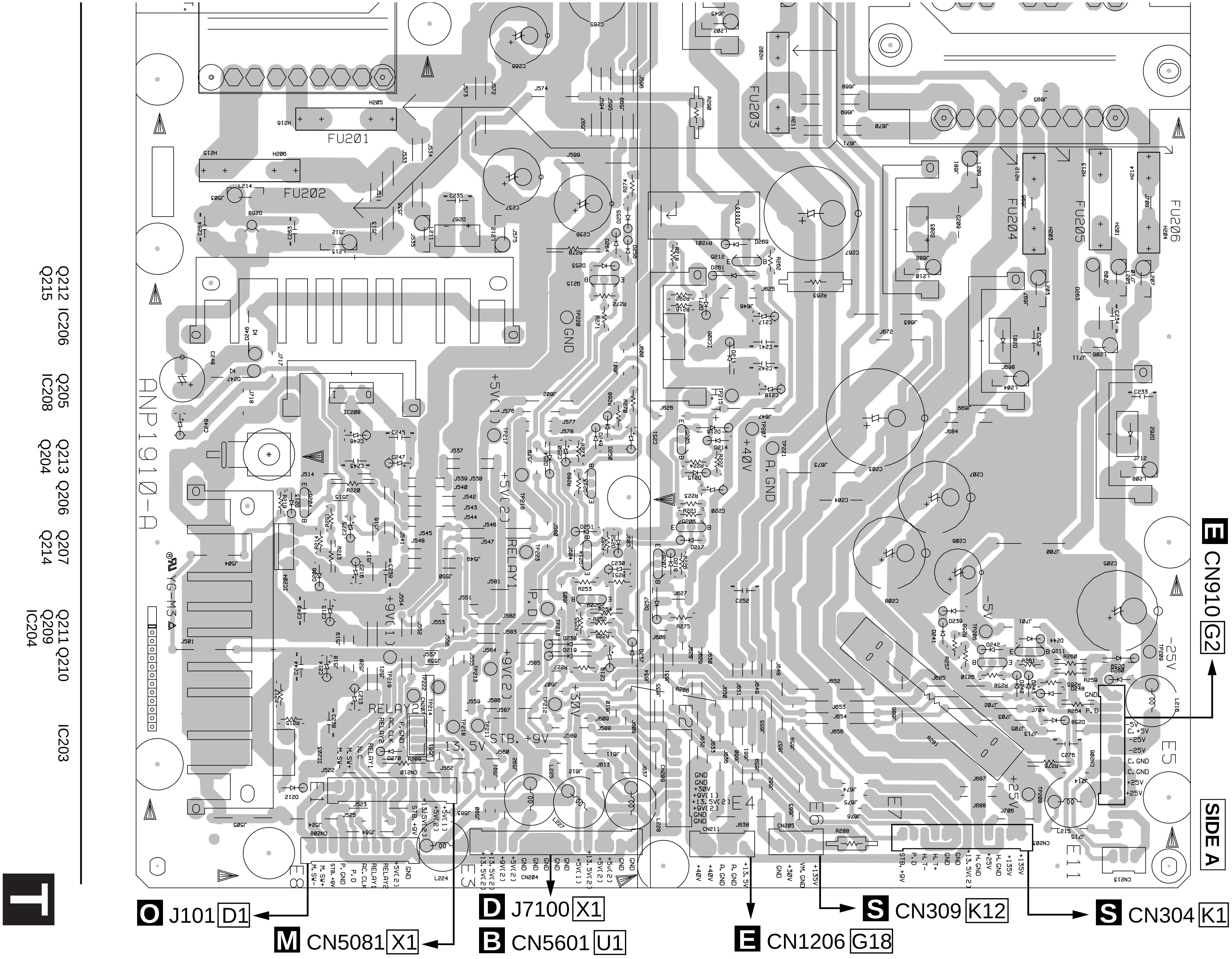
T POWER SUPPLY ASSY



FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACEMENT FUSES SHOULD BE OF THE SAME TYPE AND RATINGS ONLY.

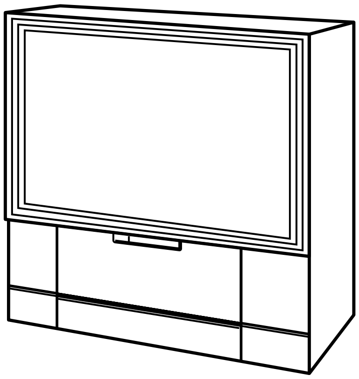
ATTENTION POUR LES PRECAUTIONS CONTINUELLES CONTRE L'INCENDIE, LES FUSIBLES A REMPLACER DOIVENT ETRE LES MEMES TYPES ET VALEURS NOMINALS UNIQUEMENT.

A
B
C
D
CAUTION
AWV1710-A
D CN104 D3
O CN103 D2
E10
E9
+B(SW2)
+B(SW1)
GND
SUB SUFFIX
1 2 3 4 5 6 7 8 9 A
GND
+135V
TP202 TP203 TP201
GND
TP205
TP204
+14.5V
SECONDARY
PRIMARY
T202
T201
FU20
C262
C202
C201
C265
C206
R280
R279
VR202 VR201
IC205 Q202
Q203
IC202
IC207
IC201
T


Q212 Q215
IC206
Q205 IC208
Q213 Q204
Q206
Q207 Q214
Q211 Q209 IC204
Q210
IC203
ANP1910-A
FU201
FU202
FU203
FU204
FU205
FU206
GND
+5V(1)
+5V(2)
+9V(1)
+9V(2)
+30V
+40V
A.GND
-5V
-25V
+25V
13.5V
STB.+9V
RELAY1
RELAY2
P.D
E1
E2
E3
E4
E5
E6
E7
E8
E11
E CN910 G2
SIDE A
O J101 D1
M CN5081 X1
D J7100 X1
B CN5601 U1
E CN1206 G18
S CN309 K12
S CN304 K1

SHARP SERVICE MANUAL

S29C864LHP5-P



REAR PROJECTION HDTV

MODEL 64LHP5000

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

OUTLINE

1. This manual covers the 64LHP5000 Projector unit. The DTV Decoder is referred to in the DTV Unit Service Manual that will be separately issued.
2. The Projector Unit Service Manual consists of two books: Issue No. S29C764LHP5-P and Issue No. S29C864LHP5-P Use these two books together for serivicing.

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- SAFETY INFORMATION 3
- OPERATION MANUAL 6
- ADJUSTMENT 13
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- PWB CONNECTION DIAGRAM 199

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- PACKING OF THE SET 315

SHARP CORPORATION

This document has been published to be used for
after sales service only.
The contents are subject to change without notice.

PARTS LIST

PARTS REPLACEMENT

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. MARK
3. REF. NO.
4. PART NO.
5. DESCRIPTION
6. CODE
7. QUANTITY

in **USA**: PWB and part assemblies are supplied through the board exchange program, please contact your local Regional Service Office for additional details.

NOTES

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
  Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.
  Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).
  $560\ \Omega \rightarrow 56 \times 10^1 \rightarrow 561$ .... RD1/4PU $\boxed{5}\ \boxed{6}\ \boxed{1}$ J
  $47\text{k}\ \Omega \rightarrow 47 \times 10^3 \rightarrow 473$ .... RD1/4PU $\boxed{4}\ \boxed{7}\ \boxed{3}$ J
  $0.5\ \Omega \rightarrow$ R50 .... RN2H $\boxed{R}\ \boxed{5}\ \boxed{0}$ K
  $1\ \Omega \rightarrow$ 1R0 .... RS1P $\boxed{1}\ \boxed{R}\ \boxed{0}$ K
  Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
  $5.62\text{k}\ \Omega \rightarrow 562 \times 10^1 \rightarrow 5621$ .... RN1/4PC $\boxed{5}\ \boxed{6}\ \boxed{2}\ \boxed{1}$ F
- Parts marked by ☆ are important parts which relate in X-rays radiation.
  If any of these parts need to be replaced, always replace with specified parts.
- Parts marked by × are important parts which relate in X-rays radiation. If a failure occurs in any of these parts, replace the printed circuit board assembly where the relevant part has already been adjusted as a working component. Do not replace the actual part itself. If any part marked by × is replaced, there is danger of being exposed to X-rays.

MARK ★: SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

Mark	Ref. No.	Part No.	★	Description	Code
		9GJAWV1710	–	Power Supply Ass'y	—
☆		9GJAWV1731	–	Deflection Service Ass'y	—
		9GJAWV1712	–	Amp Ass'y	—
NSP		9GJAWV1721	–	CONV.DAC Ass'y	—
		9GJAWZ6333	–	├ Conver. DAC Ass'y	—
		9GJAWZ6335	–	├ Connector Ass'y	—
		9GJAWZ6337	–	├ Front Control Ass'y	—
		9GJAWZ6339	–	├ Front Input Ass'y	—
		9GJAWZ6348	–	├ LED DPO Ass'y	—
		9GJAWZ6350	–	├ SR Ass'y	—
		9GJAWZ6351	–	└ SR BNC Ass'y	—
		9GJAWV1722	–	AV I/O Ass'y	—
		9GJAWV1723	–	Tuner µ-COM Ass'y	—
		9GJAWV1724	–	Video Ass'y	—
		9GJAWV1725	–	Signal Ass'y	—
NSP		9GJAWV1733	–	AC IN, CRT Service Ass'y	—
		9GJAWZ6344	–	├ R CRT Drive Ass'y	—
		9GJAWZ6345	–	├ G CRT Drive Ass'y	—
		9GJAWZ6346	–	├ B CRT Drive Ass'y	—
		9GJAWZ6354	–	└ AC IN Ass'y	—
		9GJAWV1726	–	Sub Video Ass'y	—
		9GJAXF1084	–	TV Front End System Unit (No Servise Parts.)	—
		9GJAXF1098	–	RF SW (No Servise Parts.)	—

9GJAWV1710

POWER SUPPLY ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	IC201	9GJAN8029	M	Power. IC	AR
	IC202	9GJON3171-Q	M	Photocupler	AN
	IC203	9GJPQ30RV11(A)	M	Regulator IC	AP
	IC204	9GJPQ30RV31	M	Regulator IC	AT
	IC205	9GJON3171-Q	M	Photocupler	AN
	IC206	9GJPQ30RV11(A)	M	Regulator IC	AP
⚠	IC207	9GJAN8029	M	Power IC	AR
	IC208	9GJNJM7809FA	M	Regulator IC	AH

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	Q201	9GJ2SK1938-R	M	Power Mos Fet	AW
	Q202	9GJ2SC2705	M	Transistor	AF
	Q203	9GJ2SC2705	M	Transistor	AF
	Q204	9GJ2SC1740S	M	Transistor	AD
	Q205	9GJ2SC1740S	M	Transistor	AD
	Q206	9GJ2SA933S	M	Transistor	AD
	Q207	9GJ2SA933S	M	Transistor	AD
⚠	Q208	9GJ2SK1938-R	M	Power Mos Fet	AW
	Q209	9GJ2SA933S	M	Transistor	AD
	Q210	9GJ2SC1740S	M	Transistor	AD
	Q211	9GJ2SC1740S	M	Transistor	AD
	Q212	9GJ2SC1740S	M	Transistor	AD
	Q213	9GJ2SC1740S	M	Transistor	AD
	Q214	9GJ2SA933S	M	Transistor	AD
	Q215	9GJ2SA933S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D201	9GJYG911S2R	M	Diode	AK
	D202	9GJYG911S2R	M	Diode	AK
	D203	9GJD3L60	M	Diode Bridge	AK
	D204	9GJHZS6C2L	M	Zener Diode	AC
	D205	9GJ1SS254	M	Diode	AC

9GJAWV1710

POWER SUPPLY ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	D206	9GJ1SS254	M	Diode	AC
	D207	9GJ1SS254	M	Diode	AC
	D208	9GJ1SS254	M	Diode	AC
	D209	9GJ1SS254	M	Diode	AC
	D210	9GJHZS6C2L	M	Zener Diode	AC
	D211	9GJ1SS254	M	Diode	AC
	D212	9GJ1SS254	M	Diode	AC
	D213	9GJ1SS254	M	Diode	AC
	D214	9GJRD5.1ESB	M	Zener Diode	AC
	D215	9GJ1SS254	M	Diode	AC
	D216	9GJ1SS254	M	Diode	AC
	D217	9GJ1SS254	M	Diode	AC
	D218	9GJ1SS254	M	Diode	AC
	D219	9GJ1SS254	M	Diode	AC
	D220	9GJ10DF2	M	Diode	AG
	D221	9GJRD5.1ESB	M	Zener Diode	AC
	D222	9GJRD5.1ESB	M	Zener Diode	AC
	D223	9GJRD5.1ESB	M	Zener Diode	AC
	D224	9GJRD5.1ESB	M	Zener Diode	AC
	D225	9GJMA723	M	Diode	AD
	D226	9GJRD12ESB	M	Zener Diode	AC
	D227	9GJMTZJ20	M	Zener Diode	AB
	D228	9GJHZS18L	M	Zener Diode	AB
	D229	9GJ10DF2	M	Diode	AG
	D230	9GJRD5.1ESB	M	Zener Diode	AC
	D231	9GJRD5.1ESB	M	Zener Diode	AC
	D232	9GJRD5.1ESB	M	Zener Diode	AC
	D233	9GJRD5.1ESB	M	Zener Diode	AC
	D234	9GJMA723	M	Diode	AD
	D235	9GJRD12ESB	M	Zener Diode	AC
	D236	9GJMTZJ20	M	Zener Diode	AB
	D237	9GJHZS6C2L	M	Zener Diode	AC
	D238	9GJ1SS254	M	Diode	AC
	D239	9GJHZS6C2L	M	Zener Diode	AC
	D240	9GJ1SS254	M	Diode	AC
	D241	9GJ1SS254	M	Diode	AC
	D242	9GJ1SS254	M	Diode	AC
	D243	9GJ1SS254	M	Diode	AC
	D244	9GJ1SS254	M	Diode	AC
	D245	9GJHZS18L	M	Zener Diode	AB
	D246	9GJ10DF2	M	Diode	AG
	D247	9GJ10DF2	M	Diode	AG
	D248	9GJ1SS254	M	Diode	AC
	D249	9GJRD5.1ESB	M	Zener Diode	AC
	D250	9GJ1SS254	M	Diode	AC
	D251	9GJ1SS254	M	Diode	AC
	D252	9GJ1SS254	M	Diode	AC
	D253	9GJ1SS254	M	Diode	AC
	D254	9GJ1SS254	M	Diode	AC
	D255	9GJRD5.1ESB	M	Zener Diode	AC
	D256	9GJ1SS254	M	Diode	AC
	D257	9GJ1SS254	M	Diode	AC
	D258	9GJ1SS254	M	Diode	AC
	D259	9GJ1SS254	M	Diode	AC
	D260	9GJHZS18L	M	Zener Diode	AB
	D261	9GJ1SS254	M	Diode	AC
	D262	9GJYG911S2R	M	Diode	AK
	D263	9GJERB93-02L3	M	Diode	AG
	D264	9GJ1SS254	M	Diode	AC
	D265	9GJMA723	M	Diode	AD
	D266	9GJMA723	M	Diode	AD
	D267	9GJD5S9M	M	Barrier Diode	AP
	D268	9GJD10SC4M	M	Barrier Diode	AL
	D269	9GJ1SS254	M	Diode	AC
	D271	9GJ1SS254	M	Diode	AC

COILS AND TRANSFORMERS

Mark	Ref. No.	Part No.	★	Description	Code
	L215	9GJATH-059	M	Coil	AG
	L216	9GJATH-059	M	Coil	AG
	L218	9GJATX1021	M	Ferrite Bead	AD
	L221	9GJATX1021	M	Ferrite Bead	AD
	L223	9GJATX1021	M	Ferrite Bead	AD
	L224	9GJATH-059	M	Coil	AG
	L225	9GJATH-059	M	Coil	AG
	L227	9GJATH-059	M	Coil	AG
	L228	9GJATH-059	M	Coil	AG
	L229	9GJATH-059	M	Coil	AG
⚠	T201	9GJATK1124	M	Converter Trans	BD
⚠	T202	9GJATK1125	M	Converter Trans	BG

CONTROLS

Mark	Ref. No.	Part No.	★	Description	Code
	VR201	9GJVRTHS6VS102	M	VR	AD
	VR202	9GJVRTHS6VS471	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C201	9GJACH1148	M	Elect.	AW
	C202	9GJACH1148	M	Elect.	AW
	C203	9GJACH1146	M	Elect.	AT
	C204	9GJCKCYE103P2H	M	Ceramic	AC
	C205	9GJCEHAT332M35	M	Elect.	AD
	C206	9GJCEHAT102M10	M	Elect.	AB
	C207	9GJCEHAT222M35	M	Elect.	AD
	C208	9GJCEHAT222M35	M	Elect.	AD
	C209	9GJACG-032-O	M	CCA (100P/2KV)	AE
	C210	9GJCEHAT1R0M50	M	Elect.	AB
	C211	9GJCQMA103J50	M	Mylar Film	AE
	C212	9GJCEHAT1R0M50	M	Elect.	AB
	C213	9GJCEHAT100M50	M	Elect.	AE
	C214	9GJCEHAT100M50	M	Elect.	AE
	C215	9GJCEHAT100M50	M	Elect.	AE
	C216	9GJCEHAT100M50	M	Elect.	AE
	C217	9GJCEHAT100M50	M	Elect.	AE
	C218	9GJCEHAT100M50	M	Elect.	AE
	C219	9GJCEHAT100M50	M	Elect.	AE
	C220	9GJCEHAT101M10	M	Elect.	AB
	C221	9GJCQMA333J50	M	Mylar Film	AE
	C222	9GJCQMA473J50	M	Mylar Film	AE
	C223	9GJCQMA102J50	M	Mylar Film	AD
	C224	9GJCEHAT101M25	M	Elect.	AB
	C225	9GJCEHAT1R0M50	M	Elect.	AB
	C226	9GJCQMA333J50	M	Mylar Film	AE
	C227	9GJCQMA473J50	M	Mylar Film	AE
	C228	9GJCEHAT101M25	M	Elect.	AB
	C229	9GJCEHAT1R0M50	M	Elect.	AB
	C230	9GJCEHAT100M50	M	Elect.	AE
	C231	9GJCCCSL221K2H	M	Ceramic	AB
	C232	9GJCCCSL221K2H	M	Ceramic	AB
	C233	9GJCCCSL221K2H	M	Ceramic	AB
	C234	9GJCCCSL221J50	M	Ceramic	AB
	C235	9GJCCCSL221K2H	M	Ceramic	AB
	C236	9GJCEHAT332M16	M	Elect.	AD
	C237	9GJCEHAT332M16	M	Elect.	AD
	C238	9GJCKCYB103K50	M	Ceramic	AC
	C239	9GJCKCYB103K50	M	Ceramic	AC
	C240	9GJCKCYB103K50	M	Ceramic	AC
	C241	9GJCKCYB103K50	M	Ceramic	AC
	C242	9GJCKCYB103K50	M	Ceramic	AC
	C243	9GJCKCYB103K50	M	Ceramic	AC
	C244	9GJCKCYB103K50	M	Ceramic	AC
	C245	9GJCKCYB103K50	M	Ceramic	AC
	C246	9GJCEHAT100M50	M	Elect.	AE
	C247	9GJCEHAT100M50	M	Elect.	AE
	C248	9GJCEHAT221M50	M	Elect.	AD
	C249	9GJCEHAT470M50	M	Elect.	AB
	C250	9GJCEHAT100M50	M	Elect.	AE
	C251	9GJCEHAT101M10	M	Elect.	AB
	C252	9GJCFTXA104J50	M	Audio Film	AK
	C253	9GJACG1028-A	M	Ceramic	AK
	C254	9GJACG1007-A	M	Ceramic	AE
	C255	9GJCQMA392J50	M	Mylar Film	AD
	C256	9GJACG1028-A	M	Ceramic	AK
	C257	9GJCKCYB331K50	M	Ceramic	AB
	C258	9GJCQMA182J50	M	Mylar Film	AD
	C259	9GJCQMA472J50	M	Mylar Film	AD
	C260	9GJACG1008-A	M	Ceramic	AK
	C261	9GJCKCYB103K50	M	Ceramic	AC

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POWER SUPPLY ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C262	9GJACH1148	M	Elect.	AW
	C263	9GJCCCSL221K2H	M	Ceramic	AB
	C264	9GJCCCSL221K2H	M	Ceramic	AB
	C265	9GJCEHAT332M10	M	Elect.	AD
	C266	9GJCEHAT332M10	M	Elect.	AD
	C267	9GJACH1313	M	Elect.	AQ
	C268	9GJACE1105	M	FLM CAP.(4700P/250V)	AF
	C269	9GJACE1108	M	FLM CAP.(6800P/250V)	AF
	C270	9GJACE1105	M	FLM CAP.(4700P/250V)	AF
	C271	9GJACE1105	M	FLM CAP.(4700P/250V)	AF
	C272	9GJCKCYB471K50	M	Ceramic	AB
	C273	9GJCQMA823J50	M	Mylar Film	AE
	C274	9GJCKCYB103K50	M	Ceramic	AC
	C275	9GJCEHAT102M63	M	Elect.	AC
	C276	9GJCKCYB103K50	M	Ceramic	AC
	C277	9GJACG1028-A	M	Ceramic	AK
	C278	9GJACG1028-A	M	Ceramic	AK

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R201	9GJRS1MMF333J	M	Metal Oxide	AC
	R202	9GJRS1MMF473J	M	Metal Oxide	AC
	R203	9GJRS1MMF473J	M	Metal Oxide	AC
	R204	9GJRS2MMF223J	M	Metal Oxide	AM
	R205	9GJRD1/4PU154J	M	Carbon Film	AA
	R206	9GJRN14PC1603F	M	Metal Film	AD
	R207	9GJRN14PC1603F	M	Metal Film	AD
	R208	9GJRN14PC3601F	M	Metal Film	AD
	R209	9GJRD1/2PM271J	M	Carbon Film	AB
	R210	9GJRD1/4PU103J	M	Carbon Film	AA
	R211	9GJRN14PC3601F	M	Metal Film	AD
	R212	9GJRN14PC3901F	M	Metal Film	AB
	R213	9GJRN14PC3602F	M	Metal Film	AB
	R214	9GJRN14PC3901F	M	Metal Film	AB
	R215	9GJRN14PC3900F	M	Metal Film	AB
	R216	9GJRN14PC8200F	M	Metal Film	AB
	R217	9GJRN14PC2701F	M	Metal Film	AC
	R218	9GJRN14PC3301F	M	Metal Film	AB
	R219	9GJRD1/4PU103J	M	Carbon Film	AA
	R220	9GJRD1/4PU472J	M	Carbon Film	AA
	R221	9GJRD1/4PU102J	M	Carbon Film	AA
	R222	9GJRD1/4PU221J	M	Carbon Film	AA
	R223	9GJRD1/4PU472J	M	Carbon Film	AA
	R224	9GJRD1/4PU683J	M	Carbon Film	AA
	R225	9GJRD1/4PU472J	M	Carbon Film	AA
	R226	9GJRD1/4PU222J	M	Carbon Film	AA
	R227	9GJRD1/4PU103J	M	Carbon Film	AA
	R228	9GJRS1MMF333J	M	Metal Oxide	AC
	R229	9GJRD1/4PU153J	M	Carbon Film	AA
	R230	9GJRD1/4PU331J	M	Carbon Film	AA
	R231	9GJRD14MUF681J	M	Carbon Film	AE
	R232	9GJRD12MMF100J	M	Carbon Film	AC
	R233	9GJRD1/4PU822J	M	Carbon Film	AA
	R234	9GJRD1/4PU152J	M	Carbon Film	AA
	R235	9GJRS2MMFR56J	M	Metal Oxide	AC
	R236	9GJRS2MMFR56J	M	Metal Oxide	AC
	R237	9GJRD1/4PU103J	M	Carbon Film	AA
	R238	9GJRS1MMF220J	M	Metal Oxide	AC
	R239	9GJRS1MMF333J	M	Metal Oxide	AC
	R240	9GJRS1MMF333J	M	Metal Oxide	AC
	R241	9GJRD1/4PU153J	M	Carbon Film	AA
	R242	9GJRD1/4PU331J	M	Carbon Film	AA
	R243	9GJRD14MUF681J	M	Carbon Film	AE
	R244	9GJRD12MMF100J	M	Carbon Film	AC
	R245	9GJRD1/4PU822J	M	Carbon Film	AA
	R246	9GJRD1/4PU152J	M	Carbon Film	AA
	R247	9GJRS2MMFR22J	M	Metal Oxide	AM
	R248	9GJRS2MMFR22J	M	Metal Oxide	AM
	R249	9GJRD1/4PU103J	M	Carbon Film	AA
	R250	9GJRS1MMF220J	M	Metal Oxide	AC
	R251	9GJRD1/4PU102J	M	Carbon Film	AA
	R252	9GJRD1/4PU472J	M	Carbon Film	AA
	R253	9GJRD1/4PU102J	M	Carbon Film	AA
	R254	9GJRD1/4PU391J	M	Carbon Film	AA
	R255	9GJRD1/4PU222J	M	Carbon Film	AA
	R256	9GJRD1/4PU223J	M	Carbon Film	AA
	R257	9GJRD1/4PU103J	M	Carbon Film	AA
	R258	9GJRD1/4PU472J	M	Carbon Film	AA
	R259	9GJRD1/4PU223J	M	Carbon Film	AA
	R260	9GJRD1/4PU103J	M	Carbon Film	AA
	R261	9GJRD1/4PU472J	M	Carbon Film	AA
	R262	9GJRD1/4PU103J	M	Carbon Film	AA
	R263	9GJRS2MMF472J	M	Metal Oxide	AM
	R264	9GJRD1/4PU101J	M	Carbon Film	AA
	R265	9GJRD1/4PU223J	M	Carbon Film	AA
	R266	9GJRS3LMF391J	M	Metal Oxide	AD
	R267	9GJRD1/4PU102J	M	Carbon Film	AA
	R268	9GJRD1/4PU221J	M	Carbon Film	AA
	R269	9GJRD1/4PU472J	M	Carbon Film	AA
	R270	9GJRD1/4PU473J	M	Carbon Film	AA
	R271	9GJRD1/4PU472J	M	Carbon Film	AA
	R272	9GJRD1/4PU222J	M	Carbon Film	AA
	R273	9GJRD1/4PU103J	M	Carbon Film	AA
	R274	9GJRD1/4PU470J	M	Carbon Film	AA
	R275	9GJRD1/4PU103J	M	Carbon Film	AA
	R276	9GJRD1/4PU103J	M	Carbon Film	AA
	R278	9GJRD1/4PU103J	M	Carbon Film	AA
	R279	9GJRT10PZ120K	M	Cement (12, 10W)	AG
	R280	9GJRT10PZ120K	M	Cement (12, 10W)	AG
	R281	9GJRT10PZ390K	M	Cement (39, 10W)	AG
	R282	9GJRS1MMF221J	M	Metal Oxide	AC
	R283	9GJRD1/4PU100J	M	Carbon Film	AA
	R284	9GJRT10PZ120K	M	Cement (12, 10W)	AG
	R285	9GJRT10PZ120K	M	Cement (12, 10W)	AG
	R286	9GJRS1MMF151J	M	Metal Oxide	AC
	R287	9GJRD1/4PU100J	M	Carbon Film	AA
	R288	9GJRD12MMF100J	M	Carbon Film	AC
	R290	9GJRD12MMF181J	M	Carbon Film	AC
	R291	9GJRN14PC2001F	M	Metal Film	AB
	R292	9GJRN14PC2200F	M	Metal Film	AB

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	RY201	9GJASR1050	M	Relay	AP
	CN201	9GJAKM1128	M	Plug, 3-pin	AE
	CN202	9GJAKM1127	M	Plug, 2-pin	AD
	CN203	9GJKM250MA12R	M	Plug, 12-pin	AE
	CN204	9GJKM250MA15	M	Plug, 15-pin	AE
	CN205	9GJKM250MA4	M	Plug, 4-pin	AC
	CN206	9GJKM250MA10B	M	Plug, 10-pin	AB
	CN208	9GJKM250MA10	M	Plug, 10-pin	AD
	CN209	9GJKM250MA8	M	Plug, 8-pin	AD
	CN210	9GJKM250MA11B	M	Plug, 11-pin	AE
	CN211	9GJKM250MA5	M	Plug, 5-pin	AC
⚠	FU201	9GJREK1085	M	Fuse 6.3A	AE
⚠	FU202	9GJREK1085	M	Fuse 6.3A	AE
⚠	FU203	9GJREK1082	M	Fuse 4A	AE
⚠	FU204	9GJREK1083	M	Fuse 5A	AE
⚠	FU205	9GJREK1079	M	Fuse 2.5A	AE
⚠	FU206	9GJREK1083	M	Fuse 5A	AE
	H201	9GJAKR1003-A	M	Fuse Clip	AB
	H202	9GJAKR1003-A	M	Fuse Clip	AB
	H203	9GJAKR1003-A	M	Fuse Clip	AB
	H204	9GJAKR1003-A	M	Fuse Clip	AB
	H205	9GJAKR1003-A	M	Fuse Clip	AB
	H206	9GJAKR1003-A	M	Fuse Clip	AB
	H211	9GJAKR1003-A	M	Fuse Clip	AB
	H212	9GJAKR1003-A	M	Fuse Clip	AB
	H213	9GJAKR1003-A	M	Fuse Clip	AB
	H214	9GJAKR1003-A	M	Fuse Clip	AB
	H215	9GJAKR1003-A	M	Fuse Clip	AB
	H216	9GJAKR1003-A	M	Fuse Clip	AB
	201	9GJANH1505	M	SW Heat Sink	AR
	8010	9GJABA1228	M	Screw	AB
	8011	9GJBBZ30P080FC	M	Screw	AA
	8012	9GJBMZ30P100FZ	M	Screw	AB

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DEFLECTION SERVICE ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	IC301	9GJTA8638N	M	TV AFC IC	AV
	IC302	9GJPQ30RV11(A)	M	Regulator IC	AP
	IC303	9GJNJM4558DXP	M	OP-Amp IC	AF
	IC601	9GJNJM4558DXP	M	OP-Amp IC	AF

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q301	9GJ2SC1740S	M	Transistor	AD
	Q302	9GJ2SA933S	M	Transistor	AD
	Q303	9GJ2SC1740S	M	Transistor	AD
	Q304	9GJ2SC1740S	M	Transistor	AD
	Q305	9GJ2SC1740S	M	Transistor	AD
	Q306	9GJ2SA933S	M	Transistor	AD
	Q307	9GJ2SC1740S	M	Transistor	AD
	Q308	9GJ2SC3332	M	Transistor	AG
⚠	Q309	9GJ2SC5046	M	High-Reso H.Out TR	BE
	Q310	9GJ2SC1740S	M	Transistor	AD
	Q311	9GJ2SA933S	M	Transistor	AD
	Q312	9GJ2SC1740S	M	Transistor	AD
	Q313	9GJ2SA933S	M	Transistor	AD
	Q314	9GJ2SC2705	M	Transistor	AF
	Q315	9GJ2SA1145	M	Transistor	AF
	Q316	9GJ2SA1145	M	Transistor	AF
	Q317	9GJ2SC2705	M	Transistor	AF
	Q318	9GJ2SC1740S	M	Transistor	AD
	Q319	9GJ2SA933S	M	Transistor	AD
	Q320	9GJ2SC1740S	M	Transistor	AD
	Q321	9GJ2SA933S	M	Transistor	AD
	Q322	9GJ2SA933S	M	Transistor	AD
	Q324	9GJ2SC5197	M	Transistor	AU
	Q325	9GJ2SA933S	M	Transistor	AD
	Q326	9GJ2SA933S	M	Transistor	AD
	Q327	9GJ2SC1740S	M	Transistor	AD
	Q601	9GJ2SC3332	M	Transistor	AG
	Q602	9GJ2SC1740S	M	Transistor	AD
	Q603	9GJ2SC2705	M	Transistor	AF
	Q604	9GJ2SA1145	M	Transistor	AF
	Q605	9GJ2SA1145	M	Transistor	AF
	Q606	9GJ2SC2705	M	Transistor	AF
	Q607	9GJ2SA933S	M	Transistor	AD
	Q608	9GJ2SA933S	M	Transistor	AD
	Q609	9GJ2SC3468	M	Transistor	AG
	Q610	9GJ2SD1276A	M	Transistor	AM
	Q611	9GJ2SA933S	M	Transistor	AD
⚠	Q612	9GJ2SC5043	M	High-Reso H.Out TR	AZ
	Q613	9GJ2SC5197	M	Transistor	AU
	Q614	9GJ2SC1740S	M	Transistor	AD
	Q751	9GJ2SA933S	M	Transistor	AD
	Q752	9GJ2SC1740S	M	Transistor	AD
⚠	Q753	9GJ2SC4686A	M	Transistor	AT
⚠	Q754	9GJ2SC4686A	M	Transistor	AT
	Q801	9GJ2SA933S	M	Transistor	AD
	Q802	9GJ2SC1740S	M	Transistor	AD
	Q803	9GJ2SC2705	M	Transistor	AF
	Q804	9GJ2SA1145	M	Transistor	AF
	Q805	9GJ2SC2705	M	Transistor	AF
	Q806	9GJ2SA1145	M	Transistor	AF
	Q807	9GJ2SC2705	M	Transistor	AF
	Q808	9GJ2SA1837	M	Transistor	AH
	Q809	9GJ2SC4793	M	Transistor	AG

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D302	9GJ10DF2	M	Diode	AG
	D303	9GJERB93-02L3	M	Diode	AG
	D304	9GJ10DF2	M	Diode	AG
	D305	9GJ1SS254	M	Diode	AC
	D306	9GJ1SS254	M	Diode	AC
	D307	9GJ1SS254	M	Diode	AC
	D308	9GJ1SS254	M	Diode	AC
	D309	9GJ1SS254	M	Diode	AC
	D310	9GJ1SS254	M	Diode	AC
	D311	9GJ1SS254	M	Diode	AC
	D312	9GJ1SS254	M	Diode	AC
	D313	9GJ1SS254	M	Diode	AC
	D314	9GJ1SS254	M	Diode	AC
	D315	9GJRD12ESB	M	Zener Diode	AC
⚠	D316	9GJERD07-15	M	Fast Recovery Diode	AH
⚠	D317	9GJERD07-15	M	Fast Recovery Diode	AH
⚠	D318	9GJDD52RC	M	Dumper Diode	AR
	D319	9GJRD5.1EB	M	Zener Diode	AE
	D320	9GJ1SS254	M	Diode	AC
	D321	9GJBR3371XJ30A	M	LED	AD
	D322	9GJ1SS254	M	Diode	AC
	D323	9GJ1SS254	M	Diode	AC
	D327	9GJRD12ESB	M	Zener Diode	AC
	D328	9GJERA22-02	M	Diode	AD
	D329	9GJERA22-02	M	Diode	AD
	D342	9GJ1SS254	M	Diode	AC
	D343	9GJ1SS254	M	Diode	AC
	D601	9GJ10DF2	M	Diode	AG
	D602	9GJERB93-02L3	M	Diode	AG
	D603	9GJ1SS254	M	Diode	AC
	D604	9GJRD12ESB	M	Zener Diode	AC
	D605	9GJRD12ESB	M	Zener Diode	AC
	D606	9GJRD12ESB	M	Zener Diode	AC
	D607	9GJRD12ESB	M	Zener Diode	AC
	D608	9GJ1SS254	M	Diode	AC
	D609	9GJ1SS254	M	Diode	AC
	D610	9GJERA22-02	M	Diode	AD
	D611	9GJ1SS254	M	Diode	AC
	D612	9GJRD7.5ESB2	M	Zener Diode	AC
	D613	9GJERB06-15	M	Diode	AF
	D614	9GJ1SS254	M	Diode	AC
	D615	9GJ1SS254	M	Diode	AC
	D616	9GJ1SS254	M	Diode	AC
	D617	9GJ1SS254	M	Diode	AC
	D618	9GJ1SS254	M	Diode	AC
	D621	9GJ1SS254	M	Diode	AC
⚠	D622	9GJ2NU41	M	Diode	AK
⚠	D623	9GJ2NU41	M	Diode	AK
	D624	9GJRD5.1ESB1	M	Zener Diode	AC
	D625	9GJ1SS254	M	Diode	AC
	D627	9GJRD9.1ESB1	M	Zener Diode	AB
	D751	9GJ1SS254	M	Diode	AC
	D752	9GJ1SS254	M	Diode	AC
	D753	9GJ1SS254	M	Diode	AC
	D754	9GJ1SS254	M	Diode	AC
	D755	9GJ1SS254	M	Diode	AC
	D756	9GJ1SS254	M	Diode	AC
	D757	9GJ1SS254	M	Diode	AC
	D801	9GJMTZJ39	M	Zener Diode	AB
	D802	9GJMTZJ39	M	Zener Diode	AB
	D803	9GJS5688G	M	Diode	AC
	D804	9GJS5688G	M	Diode	AC
	D805	9GJS5688G	M	Diode	AC
	D806	9GJS5688G	M	Diode	AC

COILS AND TRANSFORMERS

Mark	Ref. No.	Part No.	★	Description	Code
	L303	9GJATX1008-A	M	Ferrite Bead	AE
	L304	9GJATX1008-A	M	Ferrite Bead	AE
	L305	9GJATX1008-A	M	Ferrite Bead	AE
	L306	9GJATX1008-A	M	Ferrite Bead	AE
	L307	9GJATH-059	M	Coil	AG
	L308	9GJATH-059	M	Coil	AG
	L309	9GJATX1008-A	M	Ferrite Bead	AE
	L310	9GJLTA152J	M	Inductor	AF
	L601	9GJATX1008-A	M	Ferrite Bead	AE
	L602	9GJATX1008-A	M	Ferrite Bead	AE
	L603	9GJATX1008-A	M	Ferrite Bead	AE
⚠	L604	9GJATL1138	M	Dummy Coil	BB
	L605	9GJLTA152J	M	Inductor	AF
	SG751	9GJAEX1024	M	Spark Gap	AD
⚠	T301	9GJATK1126	M	Dummy FBT	BB
⚠	T302	9GJATK1127	M	H.Drive Transformer	AZ
⚠	T601	9GJATK1123	M	FBT	BH
⚠	T602	9GJATK1127	M	H.Drive Transformer	AZ

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DEFLECTION SERVICE ASS'Y (Continued)

CONTROLS

Mark	Ref. No.	Part No.	★	Description	Code
	VR301	9GJVRTHS6VS222	M	VR	AD
	VR302	9GJVRTHS6VS473	M	VR	AD
	VR303	9GJACP1044-A	M	VR	AD
	VR601	9GJVRTHS6VS102	M	VR	AD
	VR602	9GJVRTHS6VS223	M	VR	AD
	VR603	9GJVRTHS6VS223	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C301	9GJCQPA102J2A	M	PL.Propytene	AD
	C302	9GJCQMA561J50	M	Mylar Film	AC
	C303	9GJCKCYB103K50	M	Ceramic	AC
	C304	9GJCEANP2R2M50	M	Elect.(N.P)	AE
	C305	9GJCQMA682J50	M	Mylar Film	AD
	C306	9GJCQPA821J2A	M	PL. Propytene	AD
	C307	9GJCQMA471J50	M	Mylar Film	AD
	C308	9GJCEHAT101M25	M	Elect.	AB
	C309	9GJCEHAT4R7M50	M	Elect.	AB
	C310	9GJCEHAT470M25	M	Elect.	AE
	C311	9GJCKCYB102K50	M	Ceramic	AB
	C312	9GJCFTXA224J50	M	Audio Film	AE
	C313	9GJCEHAT331M16	M	Elect.	AC
	C314	9GJCQPA333J2A	M	PL. Propytene	AD
	C315	9GJCKCYF103Z50	M	Ceramic	AB
	C316	9GJCKCYF103Z50	M	Ceramic	AB
	C317	9GJCKCYF103Z50	M	Ceramic	AB
	C318	9GJCKCYF103Z50	M	Ceramic	AB
⚠	C319	9GJCFPMW334J2G	M	Capacitor	AM
⚠	C320	9GJCFPHW332H3D	M	Capacitor	AH
⚠	C321	9GJCFPHW472H3D	M	Capacitor	AK
⚠	C322	9GJCFPMW334J2G	M	Capacitor	AM
	C323	9GJCFTXA105J50	M	Audio Film	AK
⚠	C324	9GJACH1117-A	M	Elect.	AS
⚠	C325	9GJACG-032	M	CCA (100P/2KV)	AE
	C326	9GJCCCSL470J50	M	Ceramic	AB
	C327	9GJCKCYB561K50	M	Ceramic	AB
	C328	9GJCEHAT221M25	M	Elect.	AC
	C329	9GJCFTXA683J50	M	Audio Film	AD
	C330	9GJCEHAT101M50	M	Elect.	AC
	C331	9GJCCCSL101J50	M	Ceramic	AB
	C332	9GJCEHAT330M35	M	Elect.	AB
	C333	9GJCKCYF103Z50	M	Ceramic	AB
	C334	9GJCEHAQ1R0M2C	M	Elect.	AD
	C335	9GJCCCSL101J50	M	Ceramic	AB
	C336	9GJCCCSL101K2H	M	Ceramic	AB
	C337	9GJCEHAT101M25	M	Elect.	AB
	C338	9GJCKCYF103Z50	M	Ceramic	AB
	C339	9GJCKCYF103Z50	M	Ceramic	AB
	C340	9GJCKCYF103Z50	M	Ceramic	AB
	C341	9GJCEHAT4R7M50	M	Elect.	AB
	C342	9GJCCCSL470J50	M	Ceramic	AB
	C343	9GJCEHAT4R7M50	M	Elect.	AB
	C344	9GJCEHAT331M16	M	Elect.	AC
	C345	9GJCKCYF103Z50	M	Ceramic	AB
	C346	9GJCEHAT101M25	M	Elect.	AB
	C347	9GJCKCYF103Z50	M	Ceramic	AB
	C348	9GJCKCYF103Z50	M	Ceramic	AB
	C349	9GJCEHAT101M25	M	Elect.	AB
	C350	9GJCKCYF103Z50	M	Ceramic	AB
	C351	9GJCEHAT471M16	M	Elect.	AC
	C352	9GJCEHAT471M16	M	Elect.	AC
	C353	9GJCEHAT100M2D	M	Elect.	AD
	C354	9GJCEHAT101M25	M	Elect.	AB
	C355	9GJCEHAT101M25	M	Elect.	AB
	C356	9GJCKCYF103Z50	M	Ceramic	AB
	C357	9GJCEHAT1R0M50	M	Elect.	AB
	C358	9GJCCCSL101J50	M	Ceramic	AB
	C359	9GJCEHAT102M35	M	Elect.	AE
	C360	9GJCEHAT471M16	M	Elect.	AC
	C361	9GJCEHAT471M16	M	Elect.	AC
⚠	C601	9GJCFPHW222H3D	M	Capacitor	AH
⚠	C602	9GJCFPHW222H3D	M	Capacitor	AH
	C603	9GJCFTXA105J50	M	Audio Film	AK
⚠	C604	9GJACH1117-A	M	Elect.	AS
	C605	9GJCEHAT101M50	M	Elect.	AC
	C606	9GJCCCSL101J50	M	Ceramic	AB
	C607	9GJCKCYB222K50	M	Ceramic	AB
	C608	9GJCEHAT101M25	M	Elect.	AB
	C609	9GJCKCYF103Z50	M	Ceramic	AB
	C610	9GJCKCYF103Z50	M	Ceramic	AB
	C611	9GJCKCYB561K50	M	Ceramic	AB
	C612	9GJCCCSL101K2H	M	Ceramic	AB
	C613	9GJCEHAT330M35	M	Elect.	AB
	C614	9GJCKCYF103Z50	M	Ceramic	AB
	C615	9GJCKCYE222P2H	M	Ceramic	AD
	C616	9GJCEHAT100M2D	M	Elect.	AD
	C617	9GJCKCYF103Z50	M	Ceramic	AB
	C618	9GJCEHAT220M63	M	Elect.	AB
	C619	9GJCEHAT100M50	M	Elect.	AE
	C620	9GJCEHAT220M2D	M	Elect.	AD
	C621	9GJCEHAT100M50	M	Elect.	AE
	C622	9GJCKCYF103Z50	M	Ceramic	AB
	C623	9GJCEHAT470M25	M	Elect.	AE
	C624	9GJCEHAT221M25	M	Elect.	AC
	C625	9GJCEHAT221M25	M	Elect.	AC
	C626	9GJCKCYF103Z50	M	Ceramic	AB
	C627	9GJCKCYB682K50	M	Ceramic	AD
	C628	9GJCKCYB332K2H	M	Ceramic	AC
	C629	9GJCKCYF103Z50	M	Ceramic	AB
	C630	9GJCEHAT101M25	M	Elect.	AB
	C632	9GJCKCYF103Z50	M	Ceramic	AB
	C633	9GJCEHAT1R0M50	M	Elect.	AB
	C634	9GJCEHAT4R7M2E	M	Elect.	AC
	C635	9GJCEHAT220M50	M	Elect.	AB
	C636	9GJACH-372	M	Elect.(1/160V)	AK
	C637	9GJCKCYE103P2H	M	Ceramic	AC
	C751	9GJCEHAT470M25	M	Elect.	AE
	C752	9GJCEHAT100M50	M	Elect.	AE
	C753	9GJCKCYF103Z50	M	Ceramic	AB
	C754	9GJACG1028	M	Ceramic	AK
	C755	9GJACG1028	M	Ceramic	AK
	C801	9GJCKCYF103Z50	M	Ceramic	AB
	C802	9GJCCCSL101J50	M	Ceramic	AB
	C803	9GJCKCYF103Z50	M	Ceramic	AB
	C804	9GJCKCYF473Z50	M	Ceramic	AC
	C805	9GJCKCYF473Z50	M	Ceramic	AC
	C806	9GJCEAT101M25	M	Elect.	AC
	C807	9GJCEAT101M25	M	Elect.	AC
	C808	9GJCKCYF103Z50	M	Ceramic	AB
	C809	9GJCEHAT220M2D	M	Elect.	AD
	C810	9GJCEHAT3R3M2C	M	Elect.	AC
	C811	9GJCQMA472K2E	M	Mylar Film	AD
	C812	9GJCQMA472K2E	M	Mylar Film	AD
	C813	9GJCQMA104K2E	M	Mylar Film	AF
	C814	9GJCKCYE103P2H	M	Ceramic	AC
	C815	9GJCCCSL221J50	M	Ceramic	AB
	C816	9GJCKCYF473Z50	M	Ceramic	AC
	C817	9GJCEAT470M50	M	Elect.	AC
	C818	9GJCEHAT220M2D	M	Elect.	AD
	C819	9GJCKCYE103P2H	M	Ceramic	AC
	C820	9GJCCCSL220J50	M	Ceramic	AB
	C821	9GJCCCSL220J50	M	Ceramic	AB
	C822	9GJCCCSL220J50	M	Ceramic	AB

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R301	9GJRN14PC8201F	M	Metal Film	AB
	R302	9GJRN14PC1303F	M	Metal Film	AB
	R303	9GJRD1/4PU223J	M	Carbon Film	AA
	R304	9GJRD1/4PU682J	M	Carbon Film	AA
	R305	9GJRD1/4PU333J	M	Carbon Film	AA
	R306	9GJRD1/4PU102J	M	Carbon Film	AA
	R307	9GJRD1/4PU102J	M	Carbon Film	AA
	R308	9GJRD1/4PU222J	M	Carbon Film	AA
	R309	9GJRD1/4PU101J	M	Carbon Film	AA
	R311	9GJRD1/4PU221J	M	Carbon Film	AA
	R312	9GJRD1/4PU333J	M	Carbon Film	AA

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Mark	Ref. No.	Part No.	★	Description	Code
	R313	9GJRD1/4PU103J	M	Carbon Film	AA
	R314	9GJRD1/4PU102J	M	Carbon Film	AA
	R317	9GJRD1/4PU102J	M	Carbon Film	AA
	R318	9GJRN14PC1203F	M	Metal Film	AB
	R319	9GJRD1/4PU103J	M	Carbon Film	AA
	R320	9GJRD1/4PU273J	M	Carbon Film	AA
	R321	9GJRD1/4PU103J	M	Carbon Film	AA
	R322	9GJRD1/4PU103J	M	Carbon Film	AA
	R323	9GJRD1/4PU103J	M	Carbon Film	AA
	R324	9GJRD1/4PU103J	M	Carbon Film	AA
	R325	9GJRD1/4PU332J	M	Carbon Film	AA
	R326	9GJRD1/4PU332J	M	Carbon Film	AA
	R327	9GJRN14PC2702F	M	Metal Film	AB
	R328	9GJRN14PC1002F	M	Metal Film	AC
	R329	9GJRD1/4PU103J	M	Carbon Film	AA
	R330	9GJRD1/4PU113J	M	Carbon Film	AA
	R331	9GJRD1/4PU102J	M	Carbon Film	AA
	R332	9GJRD1/4PU221J	M	Carbon Film	AA
	R333	9GJRS2MMF222J	M	Metal Oxide	AM
	R336	9GJRS2MMF1R0J	M	Metal Oxide	AC
	R337	9GJRS2MMF1R0J	M	Metal Oxide	AC
	R338	9GJRS1MMF100J	M	Metal Oxide	AC
	R339	9GJRS2MMF1R0J	M	Metal Oxide	AC
	R340	9GJRD1/4PU222J	M	Carbon Film	AA
	R341	9GJRD1/4PU222J	M	Carbon Film	AA
	R342	9GJRD1/4PU562J	M	Carbon Film	AA
	R343	9GJRD1/4PU222J	M	Carbon Film	AA
	R344	9GJRD1/4PU473J	M	Carbon Film	AA
	R345	9GJRD1/4PU103J	M	Carbon Film	AA
	R346	9GJRD1/4PU222J	M	Carbon Film	AA
	R347	9GJRD1/4PU222J	M	Carbon Film	AA
	R348	9GJRD1/4PU102J	M	Carbon Film	AA
	R349	9GJRD1/4PU221J	M	Carbon Film	AA
	R350	9GJRD1/4PU223J	M	Carbon Film	AA
	R351	9GJRD1/4PU473J	M	Carbon Film	AA
	R352	9GJRD1/4PU103J	M	Carbon Film	AA
	R353	9GJRD1/4PU221J	M	Carbon Film	AA
	R355	9GJRS2MMF180J	M	Metal Oxide	AC
	R356	9GJRD1/4PU104J	M	Carbon Film	AA
	R357	9GJRD1/4PU104J	M	Carbon Film	AA
	R358	9GJRS2MMF2R2J	M	Metal Oxide	AC
	R359	9GJRS2MMF2R2J	M	Metal Oxide	AC
	R360	9GJRD1/4PU102J	M	Carbon Film	AA
	R361	9GJRD1/4PU152J	M	Carbon Film	AA
	R362	9GJRD1/4PU154J	M	Carbon Film	AA
	R363	9GJRD1/4PU102J	M	Carbon Film	AA
	R364	9GJRD1/4PU102J	M	Carbon Film	AA
	R365	9GJRD1/2PM153J	M	Carbon Film	AB
	R366	9GJRD1/2PM223J	M	Carbon Film	AB
	R367	9GJRD1/4PU332J	M	Carbon Film	AA
	R368	9GJRD1/4PU221J	M	Carbon Film	AA
	R369	9GJRD1/4PU104J	M	Carbon Film	AA
	R370	9GJRN14PC1202F	M	Metal Film	AB
	R371	9GJRN14PC1102F	M	Metal Film	AB
	R372	9GJRN14PC1503F	M	Metal Film	AD
	R373	9GJRN14PC6801F	M	Metal Film	AB
	R374	9GJRD1/4PU472J	M	Carbon Film	AA
	R375	9GJRD1/4PU221J	M	Carbon Film	AA
	R376	9GJRD1/4PU221J	M	Carbon Film	AA
	R377	9GJRD1/4PU472J	M	Carbon Film	AA
	R378	9GJRD1/4PU103J	M	Carbon Film	AA
	R379	9GJRD1/4PU562J	M	Carbon Film	AA
	R380	9GJRD1/4PU103J	M	Carbon Film	AA
	R381	9GJRD1/4PU472J	M	Carbon Film	AA
	R382	9GJRD1/4PU221J	M	Carbon Film	AA
	R383	9GJRD1/4PU221J	M	Carbon Film	AA
	R384	9GJRD1/4PU472J	M	Carbon Film	AA
	R385	9GJRD1/4PU103J	M	Carbon Film	AA
	R386	9GJRN14PC3302F	M	Metal Film	AB
	R387	9GJRN14PC3901F	M	Metal Film	AB
	R388	9GJRN14PC2203F	M	Metal Film	AB
	R389	9GJRD1/4PU101J	M	Carbon Film	AA

Mark	Ref. No.	Part No.	★	Description	Code
	R390	9GJRD1/4PU102J	M	Carbon Film	AA
	R391	9GJRD1/4PU102J	M	Carbon Film	AA
⚠	R392	9GJRT5PZ561K	M	Cement (560, 5W)	AF
	R393	9GJRD1/4PU473J	M	Carbon Film	AA
	R394	9GJRD1/4PU472J	M	Carbon Film	AA
⚠	R395	9GJRD14LMF100J	M	Carbon Film	AC
	R399	9GJRD1/4PU102J	M	Carbon Film	AA
	R400	9GJRD1/4PU472J	M	Carbon Film	AA
	R401	9GJRD1/4PU153J	M	Carbon Film	AA
	R402	9GJRD1/4PU221J	M	Carbon Film	AA
	R403	9GJRD1/4PU221J	M	Carbon Film	AA
	R404	9GJRD1/4PU221J	M	Carbon Film	AA
	R405	9GJRD1/4PU221J	M	Carbon Film	AA
	R406	9GJRD1/4PU221J	M	Carbon Film	AA
	R407	9GJRD1/4PU102J	M	Carbon Film	AA
	R408	9GJRD1/4PU102J	M	Carbon Film	AA
	R409	9GJRD1/4PU333J	M	Carbon Film	AA
	R410	9GJRD1/4PU102J	M	Carbon Film	AA
	R411	9GJRD1/4PU332J	M	Carbon Film	AA
	R412	9GJRD1/4PU103J	M	Carbon Film	AA
	R413	9GJRD1/4PU472J	M	Carbon Film	AA
	R414	9GJRD1/4PU221J	M	Carbon Film	AA
	R415	9GJRD1/4PU102J	M	Carbon Film	AA
	R416	9GJRD1/4PU103J	M	Carbon Film	AA
	R417	9GJRD1/4PU471J	M	Carbon Film	AA
	R418	9GJRD1/4PU221J	M	Carbon Film	AA
	R419	9GJRN14PC1202F	M	Metal Film	AB
	R421	9GJRN14PC6801F	M	Metal Film	AB
	R422	9GJRD1/4PU103J	M	Carbon Film	AA
	R601	9GJRS2MMF222J	M	Metal Oxide	AM
	R602	9GJRS2MMF1R0J	M	Metal Oxide	AC
	R603	9GJRS2MMF1R0J	M	Metal Oxide	AC
	R604	9GJRS1MMF100J	M	Metal Oxide	AC
	R605	9GJRD1/4PU221J	M	Carbon Film	AA
	R607	9GJRD1/4PU471J	M	Carbon Film	AA
	R608	9GJRD1/4PU471J	M	Carbon Film	AA
	R609	9GJRD1/4PU471J	M	Carbon Film	AA
	R610	9GJRD1/4PU102J	M	Carbon Film	AA
	R612	9GJRD1/4PU222J	M	Carbon Film	AA
	R613	9GJRD1/4PU473J	M	Carbon Film	AA
	R614	9GJRD1/4PU471J	M	Carbon Film	AA
	R615	9GJRD1/4PU332J	M	Carbon Film	AA
	R616	9GJRD1/4PU332J	M	Carbon Film	AA
	R617	9GJRD1/2PM563J	M	Carbon Film	AB
	R618	9GJRD1/2PM223J	M	Carbon Film	AB
	R619	9GJRD1/4PU104J	M	Carbon Film	AA
	R620	9GJRD1/4PU104J	M	Carbon Film	AA
	R621	9GJRS2MMF1R8J	M	Metal Oxide	AC
	R622	9GJRS2MMF1R8J	M	Metal Oxide	AC
	R623	9GJRD1/4PU102J	M	Carbon Film	AA
	R624	9GJRD1/4PU122J	M	Carbon Film	AA
	R625	9GJRD1/4PU154J	M	Carbon Film	AA
	R626	9GJRD1/4PU102J	M	Carbon Film	AA
	R627	9GJRD1/4PU102J	M	Carbon Film	AA
	R628	9GJRD1/2PM333J	M	Carbon Film	AB
⚠	R629	9GJRN12PC4302F	M	Metal Film	AC
⚠	R630	9GJRN12PC3902F	M	Metal Film	AD
	R631	9GJRD1/2PM122J	M	Carbon Film	AB
	R632	9GJRD1/4PU562J	M	Carbon Film	AA
	R633	9GJRD1/4PU471J	M	Carbon Film	AA
⚠	R634	9GJRD14LMF100J	M	Carbon Film	AC
	R635	9GJRD14MUF100J	M	Carbon Film	AB
	R636	9GJRD1/4PU332J	M	Carbon Film	AA
	R637	9GJRD1/4PU102J	M	Carbon Film	AA
	R638	9GJRD1/4PU102J	M	Carbon Film	AA
	R639	9GJRN14PC1202F	M	Metal Film	AB
	R640	9GJRN14PC6801F	M	Metal Film	AB
	R641	9GJRD1/4PU102J	M	Carbon Film	AA
	R642	9GJRD1/4PU112J	M	Carbon Film	AA
	R643	9GJRD1/4PU822J	M	Carbon Film	AA
	R644	9GJRN14PC7502F	M	Metal Film	AB
	R645	9GJRN14PC1003F	M	Metal Film	AB
	R646	9GJRN14PC1003F	M	Metal Film	AB
	R647	9GJRN14PC8201F	M	Metal Film	AB
	R648	9GJRD1/2PM154J	M	Carbon Film	AB
	R649	9GJRD1/2PM223J	M	Carbon Film	AB

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DEFLECTION SERVICE ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R650	9GJRN14PC1003F	M	Metal Film	AB
	R651	9GJRD1/2PM334J	M	Carbon Film	AA
	R652	9GJRD1/4PU223J	M	Carbon Film	AA
	R653	9GJRD1/4PU223J	M	Carbon Film	AA
	R654	9GJRD1/4PU103J	M	Carbon Film	AA
	R655	9GJRD1/4PU103J	M	Carbon Film	AA
	R657	9GJRD1/4PU471J	M	Carbon Film	AA
	R658	9GJRS2MMF820J	M	Metal Oxide	AM
	R659	9GJRS2MMF820J	M	Metal Oxide	AM
	R660	9GJRS2MMFR56J	M	Metal Oxide	AC
	R661	9GJACN1136-A	M	Solid (27, 1/2W)	AC
	R662	9GJRD1/4PU103J	M	Carbon Film	AA
	R663	9GJRD1/4PU333J	M	Carbon Film	AA
	R751	9GJRD1/4PU221J	M	Carbon Film	AA
	R752	9GJRN14PC3302F	M	Metal Film	AB
	R753	9GJRN14PC2202F	M	Metal Film	AB
	R754	9GJRN14PC56R0F	M	Metal Film	AD
	R755	9GJRN14PC4701F	M	Metal Film	AB
	R756	9GJRD1/4PU221J	M	Carbon Film	AA
	R757	9GJRD1/2PM224J	M	Carbon Film	AB
	R758	9GJRD1/2PM224J	M	Carbon Film	AB
	R759	9GJRD1/2PM224J	M	Carbon Film	AB
	R760	9GJRD1/2PM224J	M	Carbon Film	AB
	R761	9GJRD1/2PM224J	M	Carbon Film	AB
	R762	9GJRD1/2PM224J	M	Carbon Film	AB
	R763	9GJRD1/2PM224J	M	Carbon Film	AB
	R764	9GJRD1/2PM224J	M	Carbon Film	AB
	R765	9GJRD1/2PM224J	M	Carbon Film	AB
	R766	9GJRD1/2PM224J	M	Carbon Film	AB
	R767	9GJRD1/2PM224J	M	Carbon Film	AB
	R768	9GJRD1/2PM224J	M	Carbon Film	AB
	R769	9GJACN1011	M	Solid	AC
	R770	9GJRD1/2PM114J	M	Carbon Film	AA
	R771	9GJRD1/2PM184J	M	Carbon Film	AE
	R772	9GJRD1/2PM114J	M	Carbon Film	AA
	R773	9GJRD1/2PM114J	M	Carbon Film	AA
	R774	9GJRD1/2PM114J	M	Carbon Film	AA
	R775	9GJRD1/2PM114J	M	Carbon Film	AA
	R776	9GJRD1/2PM114J	M	Carbon Film	AA
	R777	9GJRD1/2PM184J	M	Carbon Film	AE
	R778	9GJRD1/2PM184J	M	Carbon Film	AE
	R779	9GJRD1/2PM184J	M	Carbon Film	AE
	R780	9GJRD1/2PM184J	M	Carbon Film	AE
	R781	9GJRD1/2PM184J	M	Carbon Film	AE
	R782	9GJRN14PC1202F	M	Metal Film	AB
	R783	9GJRN14PC1801F	M	Metal Film	AB
	R801	9GJRD1/2PM272J	M	Carbon Film	AB
	R802	9GJRD1/4PU101J	M	Carbon Film	AA
	R803	9GJRD1/4PU101J	M	Carbon Film	AA
	R804	9GJRD1/4PU331J	M	Carbon Film	AA
	R805	9GJRD1/4PU151J	M	Carbon Film	AA
	R806	9GJRD1/4PU272J	M	Carbon Film	AA
	R807	9GJRD1/4PU561J	M	Carbon Film	AA
	R808	9GJRD1/4PU123J	M	Carbon Film	AA
	R809	9GJRS1MMF472J	M	Metal Oxide	AB
	R810	9GJRS1MMF472J	M	Metal Oxide	AB
	R811	9GJRD1/4PU101J	M	Carbon Film	AA
	R812	9GJRD1/4PU101J	M	Carbon Film	AA
	R813	9GJRD1/2PM270J	M	Carbon Film	AB
	R814	9GJRD1/2PM270J	M	Carbon Film	AB
	R815	9GJRD12MMF332J	M	Carbon Film	AB
	R816	9GJRD1/4PU473J	M	Carbon Film	AA
	R817	9GJRD1/4PU473J	M	Carbon Film	AA
	R818	9GJRD1/4PU332J	M	Carbon Film	AA
	R819	9GJRS2MMF271J	M	Metal Oxide	AC
	R820	9GJRS2MMF271J	M	Metal Oxide	AC
	R821	9GJRS2MMF271J	M	Metal Oxide	AC
	R822	9GJRS3LMF471J	M	Metal Oxide	AD
	R823	9GJRD1/2PM2R2J	M	Carbon Film	AB
	R824	9GJRD1/2PM2R2J	M	Carbon Film	AB
	R825	9GJRS3LMF471J	M	Metal Oxide	AD
	R826	9GJRD12MMF100J	M	Carbon Film	AC

Mark	Ref. No.	Part No.	★	Description	Code
	R827	9GJRD14MUF560J	M	Carbon Film	AA
	R828	9GJRD14MUF560J	M	Carbon Film	AA
	R831	9GJRS3LMF471J	M	Metal Oxide	AD

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	CN301	9GJAKM1055	M	Plug, 3-pin	AE
⚠	CN302	9GJAKM1055	M	Plug, 3-pin	AE
⚠	CN303	9GJAKM1055	M	Plug, 3-pin	AE
	CN304	9GJKM250MA12	M	Plug, 12-pin	AE
	CN305	9GJKM250MA13	M	Plug, 13-pin	AE
	CN306	9GJKM250MA6R	M	Plug, 6-pin	AD
	CN307	9GJKM250MA5	M	Plug, 5-pin	AC
	CN308	9GJKM250MA6	M	Plug, 6-pin	AD
	CN309	9GJKM250MA4	M	Plug, 4-pin	AC
	CN751	9GJAKM1055	M	Plug, 3-pin	AE
	CN801	9GJKM250MA9	M	Plug, 9-pin	AD
	J601	9GJADX2492	M	1P Read Wire	AE
	J602	9GJADX2486	M	H.V.Return Wire	AH
	J603	9GJADY1043	M	HV Cable (400)	AR
	301	9GJAEB1358	M	Isolation Sheet	AH
	304	9GJPMB30P160FZ	M	Screw	AC
	305	9GJBBZ30P080FC	M	Screw	AA
	306	9GJPMZ30P100FZ	M	Screw	AA
	309	9GJAEB1358	M	Isolation Sheet	AH
	601	9GJAEB1358	M	Isolation Sheet	AH
	602	9GJAEC-093	M	Nylon Binder	AB
	604	9GJPMZ30P100FZ	M	Screw	AA
	605	9GJPMB30P160FZ	M	Screw	AC
	606	9GJPMZ30P100FZ	M	Screw	AA
	607	9GJBBZ30P080FC	M	Screw	AA
	608	9GJVPZ40P120FM	M	Screw	AB
	752	9GJPMZ30P100FZ	M	Screw	AA
	802	9GJPMZ30P100FZ	M	Screw	AA

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INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC901	9GJNJM7805FA	M	Regulator IC	AM
	IC902	9GJNJM79M05FA	M	Regulator IC	AN
	IC903	9GJSTK392-040	M	Power Pack IC for TV	BH
	IC904	9GJSTK392-040	M	Power Pack IC for TV	BH
	IC905	9GJNJM072BD-E	M	IC	AH
	IC906	9GJM5220P	M	OP-Amp-IC	AQ
	IC907	9GJCA0007AD	M	Analogmultiplication	AT
	IC908	9GJM5220P	M	OP-Amp-IC	AQ
	IC909	9GJM5220P	M	OP-Amp-IC	AQ
	IC910	9GJTC4052BP	M	Logic IC	AR
	IC911	9GJTC74HC4538P	M	Logic IC	AN
	IC912	9GJM5223AP	M	OP-Amp IC	AG
	IC913	9GJTC74HC4538P	M	Logic IC	AN
	IC1171	9GJCXA1315P	M	8Bit D/A	AT
	IC1201	9GJUPC1853CT01	M	Sound Processor IC	AX
	IC1202	9GJSTK4412	M	Power Amp IC	BA
	IC1203	9GJNJM4558LD	M	OP-Amp IC	AF
	IC1204	9GJNJM2187L	M	Trusurround IC	AX
	IC1205	9GJMC14066BCP	M	Logic IC	AF
	IC1210	9GJNJM4558LD	M	OP-Amp IC	AF

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q901	9GJ2SC1740S	M	Transistor	AD
	Q902	9GJ2SA933S	M	Transistor	AD
	Q903	9GJ2SC1740S	M	Transistor	AD
	Q904	9GJ2SA933S	M	Transistor	AD
	Q905	9GJ2SA933S	M	Transistor	AD
	Q906	9GJ2SA933S	M	Transistor	AD
	Q907	9GJ2SC1740S	M	Transistor	AD
	Q908	9GJ2SC1740S	M	Transistor	AD
	Q909	9GJ2SA933S	M	Transistor	AD
	Q910	9GJ2SC1740S	M	Transistor	AD
	Q911	9GJ2SA933S	M	Transistor	AD
	Q912	9GJ2SC1740S	M	Transistor	AD
	Q913	9GJ2SC1740S	M	Transistor	AD
	Q914	9GJ2SC1740S	M	Transistor	AD
	Q915	9GJ2SC1740S	M	Transistor	AD
	Q916	9GJ2SC1740S	M	Transistor	AD
	Q921	9GJ2SC1740S	M	Transistor	AD
	Q922	9GJ2SC1740S	M	Transistor	AD
	Q923	9GJ2SA933S	M	Transistor	AD
	Q924	9GJ2SC1740S	M	Transistor	AD
	Q1131	9GJ2SA933S	M	Transistor	AD
	Q1132	9GJ2SC1740S	M	Transistor	AD
	Q1133	9GJ2SB950A	M	Transistor	AP
	Q1134	9GJ2SD1276A	M	Transistor	AM
	Q1135	9GJ2SC1740S	M	Transistor	AD
	Q1136	9GJ2SC1740S	M	Transistor	AD
	Q1137	9GJ2SC1740S	M	Transistor	AD
	Q1138	9GJ2SC1740S	M	Transistor	AD
	Q1139	9GJ2SC1740S	M	Transistor	AD
	Q1140	9GJ2SA933S	M	Transistor	AD
	Q1171	9GJ2SC2235	M	Transistor	AK
	Q1202	9GJ2SC2878	M	Transistor	AE
	Q1203	9GJ2SC2878	M	Transistor	AE
	Q1205	9GJ2SA933S	M	Transistor	AD
	Q1206	9GJ2SC1740S	M	Transistor	AD
	Q1208	9GJ2SC1740S	M	Transistor	AD
	Q1218	9GJ2SC1740S	M	Transistor	AD
	Q1219	9GJ2SA933S	M	Transistor	AD
	Q1220	9GJ2SC1740S	M	Transistor	AD
	Q1222	9GJ2SC1740S	M	Transistor	AD
	Q1223	9GJ2SC1740S	M	Transistor	AD
	Q1224	9GJ2SC1740S	M	Transistor	AD
	Q1225	9GJ2SA933S	M	Transistor	AD
	Q1226	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D901	9GJS5688G	M	Diode	AC
	D902	9GJS5688G	M	Diode	AC
	D903	9GJS5688G	M	Diode	AC
	D904	9GJS5688G	M	Diode	AC
	D905	9GJS5688G	M	Diode	AC
	D906	9GJS5688G	M	Diode	AC
	D907	9GJS5688G	M	Diode	AC
	D908	9GJS5688G	M	Diode	AC
	D909	9GJS5688G	M	Diode	AC
	D910	9GJS5688G	M	Diode	AC
	D911	9GJS5688G	M	Diode	AC
	D912	9GJS5688G	M	Diode	AC
	D913	9GJRD12ESB	M	Zener Diode	AC
	D914	9GJRD12ESB	M	Zener Diode	AC
	D915	9GJRD12ESB	M	Zener Diode	AC
	D916	9GJRD12ESB	M	Zener Diode	AC
	D917	9GJRD12ESB	M	Zener Diode	AC
	D918	9GJRD12ESB	M	Zener Diode	AC
	D919	9GJRD12ESB	M	Zener Diode	AC
	D920	9GJRD12ESB	M	Zener Diode	AC
	D921	9GJ1SS254	M	Diode	AC
	D922	9GJ1SS254	M	Diode	AC
	D923	9GJ1SS254	M	Diode	AC
	D924	9GJ1SS254	M	Diode	AC
	D925	9GJRD12ESB	M	Zener Diode	AC
	D926	9GJ1SS254	M	Diode	AC
	D927	9GJ1SS254	M	Diode	AC
	D928	9GJ1SS254	M	Diode	AC
	D929	9GJ1SS254	M	Diode	AC
	D930	9GJRD12ESB	M	Zener Diode	AC
	D931	9GJRD12ESB	M	Zener Diode	AC
	D932	9GJRD12ESB	M	Zener Diode	AC
	D933	9GJRD12ESB	M	Zener Diode	AC
	D934	9GJ1SS254	M	Diode	AC
	D935	9GJ1SS254	M	Diode	AC
	D936	9GJ1SS254	M	Diode	AC
	D937	9GJRD12ESB	M	Zener Diode	AC
	D938	9GJ1SS254	M	Diode	AC
	D939	9GJ1SS254	M	Diode	AC
	D940	9GJ1SS254	M	Diode	AC
	D941	9GJ1SS254	M	Diode	AC
	D1131	9GJ1SS254	M	Diode	AC
	D1132	9GJBR3371XJ30A	M	LED	AD
	D1133	9GJ1SS254	M	Diode	AC
	D1134	9GJ1SS254	M	Diode	AC
	D1135	9GJ1SS254	M	Diode	AC
	D1136	9GJ1SS254	M	Diode	AC
	D1171	9GJ1SS254	M	Diode	AC
	D1172	9GJ1SS254	M	Diode	AC
	D1173	9GJ1SS254	M	Diode	AC
	D1174	9GJ1SS254	M	Diode	AC
	D1175	9GJRD12ESB	M	Zener Diode	AC
	D1178	9GJRD12ESB	M	Zener Diode	AC
	D1179	9GJRD12ESB	M	Zener Diode	AC
	D1181	9GJRD12ESB	M	Zener Diode	AC
	D1182	9GJRD12ESB	M	Zener Diode	AC
	D1183	9GJ1SS254	M	Diode	AC
	D1184	9GJHZS9C1L	M	Zener Diode	AC
	D1201	9GJ1SS254	M	Diode	AC
	D1203	9GJMTZJ5.1	M	Zener Diode	AB
	D1204	9GJ1SS254	M	Diode	AC
	D1205	9GJ1SS254	M	Diode	AC
	D1206	9GJ1SS254	M	Diode	AC
	D1207	9GJ1SS254	M	Diode	AC
	D1208	9GJ1SS254	M	Diode	AC
	D1209	9GJ1SS254	M	Diode	AC
	D1210	9GJMTZJ15	M	Zener Diode	AB
	D1211	9GJMTZJ15	M	Zener Diode	AB
	D1212	9GJ1SS254	M	Diode	AC
	D1213	9GJ1SS254	M	Diode	AC
	D1214	9GJ1SS254	M	Diode	AC
	D1218	9GJ1SS254	M	Diode	AC
	D1219	9GJBR3371XJ30A	M	LED	AD
	D1223	9GJMTZJ15	M	Zener Diode	AB
	D1224	9GJMTZJ15	M	Zener Diode	AB
	D1226	9GJ1SS254	M	Diode	AC
	D1227	9GJ1SS254	M	Diode	AC
	D1228	9GJ1SS254	M	Diode	AC

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Mark	Ref. No.	Part No.	★	Description	Code
	D1229	9GJ1SS254	M	Diode	AC
	D1233	9GJMTZJ15	M	Zener Diode	AB
	D1234	9GJMTZJ15	M	Zener Diode	AB
	D1239	9GJ1SS254	M	Diode	AC
	D1240	9GJ1SS254	M	Diode	AC
	D1241	9GJ1SS254	M	Diode	AC
	D1242	9GJ1SS254	M	Diode	AC
	D1244	9GJ1SS254	M	Diode	AC
	D1245	9GJMTZJ15	M	Zener Diode	AB
	D1246	9GJ1SS254	M	Diode	AC
	D1247	9GJ1SS254	M	Diode	AC
	D1248	9GJ1SS254	M	Diode	AC
	TH901	9GJNTH4G42B104	M	Thermistor	AH

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C901	9GJCEHAT101M16	M	Elect.	AB
	C902	9GJCEHAT331M63	M	Elect.	AB
	C903	9GJCKCYF103Z50	M	Ceramic	AB
	C904	9GJCKCYF103Z50	M	Ceramic	AB
	C905	9GJCEHAT101M16	M	Elect.	AB
	C906	9GJCKCYF103Z50	M	Ceramic	AB
	C907	9GJCEHAT331M63	M	Elect.	AB
	C908	9GJCKCYF103Z50	M	Ceramic	AB
	C909	9GJCEHAT101M35	M	Elect.	AB
	C910	9GJCEHAT331M35	M	Elect.	AD
	C911	9GJCKCYF103Z50	M	Ceramic	AB
	C912	9GJCEHAT101M35	M	Elect.	AB
	C913	9GJCKCYF103Z50	M	Ceramic	AB
	C914	9GJCEHAT331M35	M	Elect.	AD
	C915	9GJCKCYB681K50	M	Ceramic	AB
	C916	9GJCCCSL220J50	M	Ceramic	AB
	C917	9GJCKCYB681K50	M	Ceramic	AB
	C918	9GJCCCSL220J50	M	Ceramic	AB
	C919	9GJCKCYB681K50	M	Ceramic	AB
	C920	9GJCCCSL220J50	M	Ceramic	AB
	C921	9GJCEHAT101M35	M	Elect.	AB
	C922	9GJCEHAT101M35	M	Elect.	AB
	C923	9GJCEHAT331M35	M	Elect.	AD
	C924	9GJCKCYF103Z50	M	Ceramic	AB
	C925	9GJCEHAT101M35	M	Elect.	AB
	C926	9GJCEHAT101M35	M	Elect.	AB
	C927	9GJCKCYF103Z50	M	Ceramic	AB
	C928	9GJCEHAT331M35	M	Elect.	AD
	C929	9GJCCCSL101J50	M	Ceramic	AB
	C930	9GJCKCYF103Z50	M	Ceramic	AB
	C931	9GJCKCYF103Z50	M	Ceramic	AB
	C932	9GJCEHAT470M25	M	Elect.	AE
	C933	9GJCKCYF103Z50	M	Ceramic	AB
	C934	9GJCKCYF103Z50	M	Ceramic	AB
	C935	9GJCKCYF103Z50	M	Ceramic	AB
	C936	9GJCKCYF103Z50	M	Ceramic	AB
	C937	9GJCKCYF103Z50	M	Ceramic	AB
	C938	9GJCKCYF103Z50	M	Ceramic	AB
	C939	9GJCKCYF103Z50	M	Ceramic	AB
	C941	9GJCFTXA104J50	M	Audio Film	AK
	C942	9GJCQPA561F2A	M	PL.Propytene	AK
	C944	9GJCFTXA105J50	M	Audio Film	AK
	C945	9GJCKCYF103Z50	M	Ceramic	AB
	C946	9GJCQMA103J50	M	Mylar Film	AE
	C947	9GJCQMA152J50	M	Mylar Film	AD
	C948	9GJCQMA821J50	M	Mylar Film	AD
	C949	9GJCKCYF103Z50	M	Ceramic	AB
	C950	9GJCKCYF103Z50	M	Ceramic	AB
	C951	9GJCKCYF103Z50	M	Ceramic	AB
	C954	9GJCEHAT100M50	M	Elect.	AE
	C955	9GJCEHAT100M50	M	Elect.	AE
	C956	9GJCKCYF103Z50	M	Ceramic	AB
	C957	9GJCKCYF103Z50	M	Ceramic	AB
	C958	9GJCKCYF103Z50	M	Ceramic	AB
	C959	9GJCKCYF103Z50	M	Ceramic	AB
	C960	9GJCKCYF103Z50	M	Ceramic	AB
	C961	9GJCEHAT101M10	M	Elect.	AB
	C962	9GJCEHAT101M10	M	Elect.	AB
	C963	9GJCEHAT101M10	M	Elect.	AB
	C964	9GJCEHAT101M10	M	Elect.	AB
	C965	9GJCEHAT101M10	M	Elect.	AB
	C966	9GJCEHAT101M10	M	Elect.	AB
	C967	9GJCEHAT101M10	M	Elect.	AB
	C968	9GJCEHAT101M10	M	Elect.	AB
	C969	9GJCEHAT101M10	M	Elect.	AB
	C970	9GJCEHAT101M10	M	Elect.	AB
	C971	9GJCEHAT101M10	M	Elect.	AB
	C972	9GJCKCYF103Z50	M	Ceramic	AB
	C973	9GJCEHAT101M10	M	Elect.	AB
	C974	9GJCKCYF103Z50	M	Ceramic	AB
	C975	9GJCKCYF103Z50	M	Ceramic	AB
	C976	9GJCQMA472J50	M	Mylar Film	AD
	C977	9GJCQMA472J50	M	Mylar Film	AD
	C978	9GJCQPA472J2A	M	PL. Propytene	AD
	C979	9GJCKCYB331K50	M	Ceramic	AB
	C980	9GJCKCYB331K50	M	Ceramic	AB
	C981	9GJCKCYB331K50	M	Ceramic	AB
	C982	9GJCKCYF103Z50	M	Ceramic	AB
	C983	9GJCCCSL101J50	M	Ceramic	AB
	C984	9GJCCCSL101J50	M	Ceramic	AB
	C987	9GJCCCSL220J50	M	Ceramic	AB
	C988	9GJCCCSL101J50	M	Ceramic	AB
	C989	9GJCEHAT2R2M50	M	Elect.	AF
	C990	9GJCQPA561J2A	M	PL.Propytene	AC
	C991	9GJCQPA561J2A	M	PL.Propytene	AC
	C992	9GJCKCYF103Z50	M	Ceramic	AB
	C993	9GJCEHAT101M10	M	Elect.	AB
	C994	9GJCQPA471J2A	M	PL.Propytene	AD
	C995	9GJCKCYB222K50	M	Ceramic	AB
	C998	9GJCKCYB681K50	M	Ceramic	AB
	C999	9GJCCCSL220J50	M	Ceramic	AB
	C1000	9GJCKCYB681K50	M	Ceramic	AB
	C1001	9GJCCCSL220J50	M	Ceramic	AB
	C1002	9GJCKCYB681K50	M	Ceramic	AB
	C1003	9GJCCCSL220J50	M	Ceramic	AB
	C1004	9GJCKCYB331K50	M	Ceramic	AB
	C1005	9GJCKCYB331K50	M	Ceramic	AB
	C1006	9GJCKCYB331K50	M	Ceramic	AB
	C1007	9GJCEHAT101M35	M	Elect.	AB
	C1008	9GJCEHAT101M35	M	Elect.	AB
	C1009	9GJCKCYF103Z50	M	Ceramic	AB
	C1010	9GJCKCYF103Z50	M	Ceramic	AB
	C1011	9GJCQMA103J50	M	Mylar Film	AE
	C1131	9GJCKCYB102K50	M	Ceramic	AB
	C1132	9GJCKCYB102K50	M	Ceramic	AB
	C1133	9GJCCCSL151J50	M	Ceramic	AB
	C1134	9GJCCCSL151J50	M	Ceramic	AB
	C1135	9GJCKCYB102K50	M	Ceramic	AB
	C1136	9GJCEANP100M35	M	Elect.(N.P)	AE
	C1137	9GJCEHAT470M25	M	Elect.	AE
	C1138	9GJCEHAT221M35	M	Elect.	AC
	C1139	9GJCCCSL151J50	M	Ceramic	AB
	C1140	9GJCEHAT221M35	M	Elect.	AC
	C1141	9GJCKCYF103Z50	M	Ceramic	AB
	C1142	9GJCKCYF103Z50	M	Ceramic	AB
	C1143	9GJCKCYF103Z50	M	Ceramic	AB
	C1144	9GJCKCYF103Z50	M	Ceramic	AB
	C1171	9GJCKCYF103Z50	M	Ceramic	AB
	C1172	9GJCEHAT470M25	M	Elect.	AE
	C1173	9GJCEHAT470M25	M	Elect.	AE
	C1174	9GJCKCYF103Z50	M	Ceramic	AB
	C1175	9GJCEHAT470M25	M	Elect.	AE
	C1201	9GJCEHAT470M25	M	Elect.	AE
	C1202	9GJCEHAT4R7M50	M	Elect.	AB
	C1203	9GJCEHAT4R7M50	M	Elect.	AB
	C1204	9GJCEHATR10M50	M	Elect.	AD
	C1205	9GJCEHAT471M10	M	Elect.	AC
	C1206	9GJCKCYF103Z50	M	Ceramic	AB
	C1207	9GJCQMA823J50	M	Mylar Film	AE
	C1208	9GJCEHAT2R2M50	M	Elect.	AF
	C1209	9GJCEHAT2R2M50	M	Elect.	AF
	C1210	9GJCEHAT1R0M50	M	Elect.	AB

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AMP ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C1211	9GJCEHAT220M50	M	Elect.	AB
	C1212	9GJCEHAT3R3M50	M	Elect.	AB
	C1213	9GJCEHAT3R3M50	M	Elect.	AB
	C1215	9GJCEHAT470M25	M	Elect.	AE
	C1217	9GJCKCYF103Z50	M	Ceramic	AB
	C1218	9GJCQMA104J50	M	Mylar Film	AF
	C1219	9GJCQMA104J50	M	Mylar Film	AF
	C1220	9GJCQMA104J50	M	Mylar Film	AF
	C1223	9GJCEANP220M16	M	Elect.(N.P)	AF
	C1224	9GJCEANP220M16	M	Elect.(N.P)	AF
	C1225	9GJCKCYB471K50	M	Ceramic	AB
	C1226	9GJCKCYB471K50	M	Ceramic	AB
	C1227	9GJCEHAT470M25	M	Elect.	AE
	C1228	9GJCKCYF103Z50	M	Ceramic	AB
	C1235	9GJCEHAT100M50	M	Elect.	AE
	C1236	9GJCEHAT100M50	M	Elect.	AE
	C1239	9GJCKCYF103Z50	M	Ceramic	AB
	C1240	9GJCQMA472J50	M	Mylar Film	AD
	C1241	9GJCQMA472J50	M	Mylar Film	AD
	C1242	9GJCFTYA103J50	M	Audio Film	AB
	C1243	9GJCFTYA224J50	M	Audio Film	AD
	C1244	9GJCFTYA103J50	M	Audio Film	AB
	C1245	9GJCQMA472J50	M	Mylar Film	AD
	C1246	9GJCFTYA224J50	M	Audio Film	AD
	C1247	9GJCEHAT470M25	M	Elect.	AE
	C1248	9GJCKCYF103Z50	M	Ceramic	AB
	C1250	9GJCKCYF103Z50	M	Ceramic	AB
	C1251	9GJCKCYF103Z50	M	Ceramic	AB
	C1252	9GJCEHAT101M25	M	Elect.	AB
	C1253	9GJCKCYF103Z50	M	Ceramic	AB
	C1254	9GJCEHAT470M50	M	Elect.	AB
	C1255	9GJCEHAT101M50	M	Elect.	AC
	C1256	9GJCEHAT470M50	M	Elect.	AB
	C1257	9GJCEHAT220M50	M	Elect.	AB
	C1258	9GJCES41R0KJ	M	Elect.	AG
	C1259	9GJCES41R0KJ	M	Elect.	AG
	C1260	9GJCEHAT332M35	M	Elect.	AD
	C1262	9GJCFTYA104J50	M	Audio Film	AC
	C1263	9GJCEHAT332M35	M	Elect.	AD
	C1265	9GJCFTYA104J50	M	Audio Film	AC
	C1266	9GJCEHAT221M35	M	Elect.	AC
	C1267	9GJCEHAT221M35	M	Elect.	AC
	C1274	9GJCEHAT220M50	M	Elect.	AB
	C1275	9GJCEHAT220M50	M	Elect.	AB
	C1276	9GJCEHAT100M50	M	Elect.	AE
	C1277	9GJCEHAT101M25	M	Elect.	AB
	C1278	9GJCKCYF103Z50	M	Ceramic	AB
	C1279	9GJCEHATR10M50	M	Elect.	AD
	C1280	9GJCEHAT1R0M50	M	Elect.	AB
	C1284	9GJCEHAT222M50	M	Elect.	AD
	C1286	9GJCEHAT222M50	M	Elect.	AD
	C1287	9GJCKCYF103Z50	M	Ceramic	AB
	C1288	9GJCEHAT470M25	M	Elect.	AE
	C1290	9GJCQMA222J50	M	Mylar Film	AD
	C1291	9GJCQMA223J50	M	Mylar Film	AD
	C1292	9GJCQMA102J50	M	Mylar Film	AD
	C1293	9GJCQMA682J50	M	Mylar Film	AD
	C1294	9GJCQMA223J50	M	Mylar Film	AD
	C1295	9GJCQMA682J50	M	Mylar Film	AD
	C1296	9GJCQMA681J50	M	Mylar Film	AD
	C1297	9GJCKCYB122K50	M	Ceramic	AB
	C1298	9GJCKCYB122K50	M	Ceramic	AB
	C1299	9GJCEHAT470M25	M	Elect.	AE
	C1300	9GJCEHAT470M25	M	Elect.	AE
	C1301	9GJCEHAT470M25	M	Elect.	AE
	C1305	9GJCKCYF103Z50	M	Ceramic	AB
	C1306	9GJCKCYF103Z50	M	Ceramic	AB
	C1307	9GJCFTXA105J50	M	Audio Film	AK
	C1308	9GJCFTXA105J50	M	Audio Film	AK

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R901	9GJRS3LMF6R8J	M	Metal Oxide	AD
	R902	9GJRS1MMF470J	M	Metal Oxide	AC
	R903	9GJRS3LMF560J	M	Metal Oxide	AE
	R905	9GJRS1MMF101J	M	Metal Oxide	AC
	R906	9GJRS1MMF101J	M	Metal Oxide	AC
	R907	9GJRS1MMFR47J	M	Metal Oxide	AC
	R908	9GJRS1MMFR47J	M	Metal Oxide	AC
	R909	9GJRD1/4PU103J	M	Carbon Film	AA
	R910	9GJRD1/4PU101J	M	Carbon Film	AA
	R911	9GJRD1/4PU103J	M	Carbon Film	AA
	R912	9GJRD1/4PU103J	M	Carbon Film	AA
	R913	9GJRD1/4PU101J	M	Carbon Film	AA
	R914	9GJRD1/4PU101J	M	Carbon Film	AA
	R915	9GJRD1/4PU332J	M	Carbon Film	AA
	R916	9GJRD1/4PU561J	M	Carbon Film	AA
	R917	9GJRD1/4PU332J	M	Carbon Film	AA
	R918	9GJRD1/4PU561J	M	Carbon Film	AA
	R919	9GJRD1/4PU332J	M	Carbon Film	AA
	R920	9GJRD1/4PU561J	M	Carbon Film	AA
	R921	9GJRS1MMF101J	M	Metal Oxide	AC
	R922	9GJRS1MMF101J	M	Metal Oxide	AC
	R923	9GJRS1MMFR47J	M	Metal Oxide	AC
	R924	9GJRS1MMFR47J	M	Metal Oxide	AC
	R925	9GJRD1/4PU101J	M	Carbon Film	AA
	R926	9GJRD1/4PU221J	M	Carbon Film	AA
	R927	9GJRD1/4PU221J	M	Carbon Film	AA
	R928	9GJRD1/4PU221J	M	Carbon Film	AA
	R929	9GJRD1/4PU221J	M	Carbon Film	AA
	R930	9GJRD1/4PU223J	M	Carbon Film	AA
	R931	9GJRD1/4PU103J	M	Carbon Film	AA
	R932	9GJRD1/4PU103J	M	Carbon Film	AA
	R933	9GJRD1/4PU821J	M	Carbon Film	AA
	R934	9GJRD1/4PU562J	M	Carbon Film	AA
	R935	9GJRD1/4PU562J	M	Carbon Film	AA
	R936	9GJRD1/4PU334J	M	Carbon Film	AA
	R937	9GJRD1/4PU155J	M	Carbon Film	AA
	R938	9GJRD1/4PU103J	M	Carbon Film	AA
	R939	9GJRD1/4PU473J	M	Carbon Film	AA
	R940	9GJRD1/4PU103J	M	Carbon Film	AA
	R941	9GJRD1/4PU103J	M	Carbon Film	AA
	R942	9GJRD1/4PU472J	M	Carbon Film	AA
	R943	9GJRD1/4PU103J	M	Carbon Film	AA
	R944	9GJRD1/4PU472J	M	Carbon Film	AA
	R945	9GJRD1/4PU184J	M	Carbon Film	AA
	R946	9GJRD1/4PU101J	M	Carbon Film	AA
	R947	9GJRD1/4PU101J	M	Carbon Film	AA
	R948	9GJRD1/4PU101J	M	Carbon Film	AA
	R950	9GJRD1/4PU824J	M	Carbon Film	AA
	R951	9GJRD1/4PU104J	M	Carbon Film	AA
	R952	9GJRD1/4PU513J	M	Carbon Film	AA
	R953	9GJRD1/4PU333J	M	Carbon Film	AA
	R954	9GJRD1/4PU562J	M	Carbon Film	AA
	R955	9GJRD1/4PU562J	M	Carbon Film	AA
	R956	9GJRD1/4PU221J	M	Carbon Film	AA
	R957	9GJRD1/4PU221J	M	Carbon Film	AA
	R958	9GJRD1/4PU102J	M	Carbon Film	AA
	R959	9GJRD1/4PU221J	M	Carbon Film	AA
	R960	9GJRD1/4PU221J	M	Carbon Film	AA
	R961	9GJRD1/4PU102J	M	Carbon Film	AA
	R962	9GJRD1/4PU473J	M	Carbon Film	AA
	R963	9GJRD1/4PU183J	M	Carbon Film	AA
	R964	9GJRD1/4PU102J	M	Carbon Film	AA
	R965	9GJRD1/4PU153J	M	Carbon Film	AA
	R966	9GJRD1/4PU102J	M	Carbon Film	AA
	R967	9GJRD1/4PU183J	M	Carbon Film	AA
	R968	9GJRD1/4PU472J	M	Carbon Film	AA
	R969	9GJRN14PC1001F	M	Metal Film	AC
	R970	9GJRN14PC1303F	M	Metal Film	AB
	R971	9GJRN14PC2002F	M	Metal Film	AC
	R972	9GJRD1/4PU221J	M	Carbon Film	AA
	R973	9GJRN14PC4702F	M	Metal Film	AC
	R974	9GJRN14PC1302F	M	Metal Film	AB
	R975	9GJRD1/4PU473J	M	Carbon Film	AA
	R976	9GJRN14PC1001F	M	Metal Film	AC

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AMP ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R977	9GJRD1/4PU101J	M	Carbon Film	AA
	R978	9GJRD1/4PU101J	M	Carbon Film	AA
	R979	9GJRD1/4PU223J	M	Carbon Film	AA
	R980	9GJRN14PC2201F	M	Metal Film	AB
	R981	9GJRN14PC2200F	M	Metal Film	AB
	R982	9GJRN14PC2200F	M	Metal Film	AB
	R983	9GJRN14PC5101F	M	Metal Film	AB
	R984	9GJRN14PC6802F	M	Metal Film	AB
	R985	9GJRN14PC1001F	M	Metal Film	AC
	R986	9GJRD1/4PU102J	M	Carbon Film	AA
	R988	9GJRD1/4PU101J	M	Carbon Film	AA
	R989	9GJRD1/4PU221J	M	Carbon Film	AA
	R990	9GJRD1/4PU101J	M	Carbon Film	AA
	R991	9GJRD1/4PU101J	M	Carbon Film	AA
	R992	9GJRD1/4PU472J	M	Carbon Film	AA
	R993	9GJRD1/4PU391J	M	Carbon Film	AA
	R994	9GJRD1/4PU102J	M	Carbon Film	AA
	R995	9GJRD1/4PU222J	M	Carbon Film	AA
	R996	9GJRD1/4PU103J	M	Carbon Film	AA
	R997	9GJRD1/4PU474J	M	Carbon Film	AA
	R998	9GJRD1/4PU222J	M	Carbon Film	AA
	R1005	9GJRD1/4PU183J	M	Carbon Film	AA
	R1006	9GJRD1/4PU363J	M	Carbon Film	AA
	R1008	9GJRD1/4PU221J	M	Carbon Film	AA
	R1011	9GJRD1/4PU221J	M	Carbon Film	AA
	R1012	9GJRD1/4PU223J	M	Carbon Film	AA
	R1013	9GJRD1/4PU221J	M	Carbon Film	AA
	R1014	9GJRD1/4PU221J	M	Carbon Film	AA
	R1015	9GJRD1/4PU221J	M	Carbon Film	AA
	R1016	9GJRD1/4PU103J	M	Carbon Film	AA
	R1017	9GJRD1/4PU223J	M	Carbon Film	AA
	R1018	9GJRD1/4PU223J	M	Carbon Film	AA
	R1019	9GJRD1/4PU683J	M	Carbon Film	AA
	R1020	9GJRD1/4PU101J	M	Carbon Film	AA
	R1021	9GJRD1/4PU683J	M	Carbon Film	AA
	R1022	9GJRD1/4PU913J	M	Carbon Film	AA
	R1023	9GJRD1/4PU823J	M	Carbon Film	AA
	R1024	9GJRD1/4PU102J	M	Carbon Film	AA
	R1025	9GJRD1/4PU102J	M	Carbon Film	AA
	R1026	9GJRD1/4PU472J	M	Carbon Film	AA
	R1027	9GJRD1/4PU472J	M	Carbon Film	AA
	R1028	9GJRS3LMF101J	M	Metal Oxide	AE
	R1029	9GJRS3LMF560J	M	Metal Oxide	AE
	R1030	9GJRS3LMF101J	M	Metal Oxide	AE
	R1031	9GJRS3LMF560J	M	Metal Oxide	AE
	R1032	9GJRS3LMF101J	M	Metal Oxide	AE
	R1033	9GJRS1MMF470J	M	Metal Oxide	AC
	R1034	9GJRS1MMF470J	M	Metal Oxide	AC
	R1035	9GJRD1/4PU103J	M	Carbon Film	AA
	R1036	9GJRD1/4PU103J	M	Carbon Film	AA
	R1037	9GJRD1/4PU103J	M	Carbon Film	AA
	R1038	9GJRD1/4PU103J	M	Carbon Film	AA
	R1039	9GJRD1/4PU103J	M	Carbon Film	AA
	R1040	9GJRD1/4PU221J	M	Carbon Film	AA
	R1041	9GJRD1/4PU103J	M	Carbon Film	AA
	R1042	9GJRD1/4PU103J	M	Carbon Film	AA
	R1043	9GJRD1/4PU103J	M	Carbon Film	AA
	R1044	9GJRD1/4PU101J	M	Carbon Film	AA
	R1045	9GJRD1/4PU101J	M	Carbon Film	AA
	R1046	9GJRS2MMF1R5J	M	Metal Oxide	AM
	R1047	9GJRD1/4PU221J	M	Carbon Film	AA
	R1048	9GJRD1/4PU221J	M	Carbon Film	AA
	R1049	9GJRD1/4PU221J	M	Carbon Film	AA
	R1050	9GJRD1/4PU125J	M	Carbon Film	AA
	R1051	9GJRD1/4PU101J	M	Carbon Film	AA
	R1052	9GJRD1/4PU125J	M	Carbon Film	AA
	R1053	9GJRD1/4PU564J	M	Carbon Film	AA
	R1054	9GJRD1/4PU125J	M	Carbon Film	AA
	R1055	9GJRD1/4PU103J	M	Carbon Film	AA
	R1056	9GJRD1/4PU101J	M	Carbon Film	AA
	R1057	9GJRN14PC3001F	M	Metal Film	AB
	R1058	9GJRD1/4PU822J	M	Carbon Film	AA
	R1059	9GJRD1/4PU101J	M	Carbon Film	AA
	R1073	9GJRS2MMF1R5J	M	Metal Oxide	AM
	R1074	9GJRS2MMF1R5J	M	Metal Oxide	AM
	R1077	9GJRD1/4PU332J	M	Carbon Film	AA
	R1078	9GJRD1/4PU561J	M	Carbon Film	AA
	R1079	9GJRD1/4PU332J	M	Carbon Film	AA
	R1080	9GJRD1/4PU561J	M	Carbon Film	AA
	R1081	9GJRD1/4PU332J	M	Carbon Film	AA
	R1082	9GJRD1/4PU561J	M	Carbon Film	AA
	R1084	9GJRS2MMF1R5J	M	Metal Oxide	AM
	R1085	9GJRS2MMF1R5J	M	Metal Oxide	AM
	R1088	9GJRS3LMF1R5J	M	Metal Oxide	AD
	R1089	9GJRS1MMF101J	M	Metal Oxide	AC
	R1090	9GJRS1MMF101J	M	Metal Oxide	AC
	R1091	9GJRS1MMF101J	M	Metal Oxide	AC
	R1092	9GJRS1MMF101J	M	Metal Oxide	AC
	R1093	9GJRD1/4PU473J	M	Carbon Film	AA
	R1094	9GJRD1/4PU101J	M	Carbon Film	AA
	R1097	9GJRD1/4PU102J	M	Carbon Film	AA
	R1098	9GJRD1/4PU472J	M	Carbon Film	AA
	R1099	9GJRD1/4PU473J	M	Carbon Film	AA
	R1100	9GJRD1/4PU223J	M	Carbon Film	AA
	R1101	9GJRD1/4PU223J	M	Carbon Film	AA
	R1102	9GJRD1/4PU223J	M	Carbon Film	AA
	R1103	9GJRD1/4PU223J	M	Carbon Film	AA
	R1104	9GJRD1/4PU223J	M	Carbon Film	AA
	R1105	9GJRD1/4PU223J	M	Carbon Film	AA
	R1106	9GJRD1/4PU103J	M	Carbon Film	AA
	R1131	9GJRS2MMF2R2J	M	Metal Oxide	AC
	R1132	9GJRS1MMF562J	M	Metal Oxide	AC
	R1133	9GJRD1/4PU473J	M	Carbon Film	AA
	R1134	9GJRD1/4PU183J	M	Carbon Film	AA
	R1135	9GJRD1/4PU103J	M	Carbon Film	AA
	R1136	9GJRD1/4PU103J	M	Carbon Film	AA
	R1137	9GJRD1/4PU181J	M	Carbon Film	AA
	R1138	9GJRD1/4PU471J	M	Carbon Film	AA
	R1139	9GJRD1/4PU471J	M	Carbon Film	AA
	R1140	9GJRD1/4PU511J	M	Carbon Film	AA
	R1141	9GJRD1/4PU102J	M	Carbon Film	AA
	R1142	9GJRD1/4PU102J	M	Carbon Film	AA
	R1143	9GJRD1/4PU473J	M	Carbon Film	AA
	R1144	9GJRD1/4PU471J	M	Carbon Film	AA
	R1145	9GJRS2MMF2R2J	M	Metal Oxide	AC
	R1146	9GJRD1/4PU181J	M	Carbon Film	AA
	R1147	9GJRD1/4PU223J	M	Carbon Film	AA
	R1148	9GJRD1/4PU223J	M	Carbon Film	AA
	R1149	9GJRD1/4PU223J	M	Carbon Film	AA
	R1150	9GJRD1/4PU471J	M	Carbon Film	AA
	R1151	9GJRS2MMFR47J	M	Metal Oxide	AC
	R1152	9GJRS2MMFR47J	M	Metal Oxide	AC
	R1153	9GJRS2MMF1R2J	M	Metal Oxide	AC
	R1155	9GJRD1/4PU102J	M	Carbon Film	AA
	R1156	9GJRD1/4PU102J	M	Carbon Film	AA
	R1157	9GJRD1/4PU102J	M	Carbon Film	AA
	R1171	9GJRD1/4PU223J	M	Carbon Film	AA
	R1172	9GJRD1/4PU273J	M	Carbon Film	AA
	R1173	9GJRD1/4PU223J	M	Carbon Film	AA
	R1174	9GJRD1/4PU273J	M	Carbon Film	AA
	R1175	9GJRD1/4PU223J	M	Carbon Film	AA
	R1176	9GJRD1/4PU273J	M	Carbon Film	AA
	R1178	9GJRD1/4PU101J	M	Carbon Film	AA
	R1179	9GJRD1/4PU101J	M	Carbon Film	AA
	R1180	9GJRD1/4PU101J	M	Carbon Film	AA
	R1181	9GJRD1/4PU103J	M	Carbon Film	AA
	R1182	9GJRD1/4PU103J	M	Carbon Film	AA
	R1183	9GJRD1/4PU103J	M	Carbon Film	AA
	R1184	9GJRD1/4PU101J	M	Carbon Film	AA
	R1185	9GJRD1/4PU101J	M	Carbon Film	AA
	R1186	9GJRD1/4PU103J	M	Carbon Film	AA
	R1187	9GJRD1/4PU101J	M	Carbon Film	AA
	R1188	9GJRD1/4PU101J	M	Carbon Film	AA
	R1189	9GJRD1/4PU392J	M	Carbon Film	AA
	R1190	9GJRS1MMF220J	M	Metal Oxide	AC
	R1205	9GJRS3LMF1R0J	M	Metal Oxide	AD
	R1206	9GJRD1/4PU103J	M	Carbon Film	AA
	R1209	9GJRD1/4PU273J	M	Carbon Film	AA

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AMP ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R1210	9GJRD1/4PU103J	M	Carbon Film	AA
	R1211	9GJRD1/4PU103J	M	Carbon Film	AA
	R1212	9GJRD1/4PU472J	M	Carbon Film	AA
	R1213	9GJRD1/4PU472J	M	Carbon Film	AA
	R1214	9GJRD1/4PU221J	M	Carbon Film	AA
	R1215	9GJRD1/4PU221J	M	Carbon Film	AA
	R1216	9GJRD1/4PU103J	M	Carbon Film	AA
	R1217	9GJRD1/4PU473J	M	Carbon Film	AA
	R1218	9GJRD1/4PU103J	M	Carbon Film	AA
	R1219	9GJRD1/4PU823J	M	Carbon Film	AA
	R1220	9GJRD1/4PU472J	M	Carbon Film	AA
	R1221	9GJRD1/4PU472J	M	Carbon Film	AA
	R1224	9GJRD1/4PU472J	M	Carbon Film	AA
	R1225	9GJRD1/4PU472J	M	Carbon Film	AA
	R1226	9GJRD1/4PU101J	M	Carbon Film	AA
	R1227	9GJRD1/4PU101J	M	Carbon Film	AA
	R1232	9GJRD1/4PU221J	M	Carbon Film	AA
	R1233	9GJRD1/4PU472J	M	Carbon Film	AA
	R1240	9GJRD1/4PU221J	M	Carbon Film	AA
	R1241	9GJRD1/4PU472J	M	Carbon Film	AA
	R1244	9GJRS1MMF220J	M	Metal Oxide	AC
	R1245	9GJRD1/4PU101J	M	Carbon Film	AA
	R1246	9GJRD1/4PU101J	M	Carbon Film	AA
	R1263	9GJRD1/4PU103J	M	Carbon Film	AA
	R1264	9GJRD1/4PU101J	M	Carbon Film	AA
	R1265	9GJRD1/4PU101J	M	Carbon Film	AA
	R1266	9GJRD1/4PU101J	M	Carbon Film	AA
	R1267	9GJRD1/4PU103J	M	Carbon Film	AA
	R1269	9GJRD1/4PU101J	M	Carbon Film	AA
	R1270	9GJRD1/4PU101J	M	Carbon Film	AA
	R1275	9GJRD1/4PU242J	M	Carbon Film	AA
	R1276	9GJRD1/4PU242J	M	Carbon Film	AA
	R1292	9GJRD1/4PU221J	M	Carbon Film	AA
	R1293	9GJRD1/4PU221J	M	Carbon Film	AA
	R1294	9GJRD1/4PU182J	M	Carbon Film	AA
	R1295	9GJRD1/4PU393J	M	Carbon Film	AA
	R1296	9GJRD1/4PU513J	M	Carbon Film	AA
	R1297	9GJRD1/4PU105J	M	Carbon Film	AA
	R1298	9GJRD1/4PU105J	M	Carbon Film	AA
	R1299	9GJRD1/4PU333J	M	Carbon Film	AA
	R1300	9GJRD1/4PU753J	M	Carbon Film	AA
	R1301	9GJRD1/4PU152J	M	Carbon Film	AA
	R1302	9GJRD1/4PU822J	M	Carbon Film	AA
	R1303	9GJRD1/4PU123J	M	Carbon Film	AA
	R1305	9GJRD1/4PU102J	M	Carbon Film	AA
	R1306	9GJRD1/4PU392J	M	Carbon Film	AA
	R1307	9GJRD1/4PU203J	M	Carbon Film	AA
	R1308	9GJRD1/4PU113J	M	Carbon Film	AA
	R1309	9GJRD1/4PU153J	M	Carbon Film	AA
	R1310	9GJRD1/4PU154J	M	Carbon Film	AA
	R1311	9GJRD1/4PU102J	M	Carbon Film	AA
	R1312	9GJRD1/4PU103J	M	Carbon Film	AA
	R1313	9GJRD1/4PU103J	M	Carbon Film	AA
	R1314	9GJRD1/4PU103J	M	Carbon Film	AA
	R1315	9GJRD1/4PU183J	M	Carbon Film	AA
	R1316	9GJRD1/4PU123J	M	Carbon Film	AA
	R1317	9GJRD1/4PU123J	M	Carbon Film	AA
	R1318	9GJRD12MMF101J	M	Carbon Film	AC
	R1319	9GJRD1/4PU334J	M	Carbon Film	AA
	R1320	9GJRD1/4PU334J	M	Carbon Film	AA
	R1321	9GJRD1/4PU274J	M	Carbon Film	AA
	R1322	9GJRD1/4PU104J	M	Carbon Film	AA
	R1323	9GJRD1/4PU273J	M	Carbon Film	AA
	R1324	9GJRD1/2PM152J	M	Carbon Film	AB
	R1325	9GJRD14MUF4R7J	M	Carbon Film	AB
	R1328	9GJRD1/2PM152J	M	Carbon Film	AB
	R1329	9GJRD14MUF4R7J	M	Carbon Film	AB
	R1330	9GJRD1/4PU151J	M	Carbon Film	AA
	R1331	9GJRD1/4PU151J	M	Carbon Film	AA
	R1335	9GJRD1/4PU223J	M	Carbon Film	AA
	R1339	9GJRD1/4PU472J	M	Carbon Film	AA
	R1345	9GJRD1/4PU472J	M	Carbon Film	AA
	R1346	9GJRD1/4PU473J	M	Carbon Film	AA
	R1347	9GJRD1/4PU223J	M	Carbon Film	AA
	R1348	9GJRD1/4PU223J	M	Carbon Film	AA
	R1350	9GJRD1/4PU333J	M	Carbon Film	AA
	R1351	9GJRD1/4PU222J	M	Carbon Film	AA
	R1352	9GJRD1/4PU104J	M	Carbon Film	AA
	R1353	9GJRD1/4PU104J	M	Carbon Film	AA
	R1354	9GJRD1/4PU333J	M	Carbon Film	AA
	R1355	9GJRD1/4PU222J	M	Carbon Film	AA
	R1356	9GJRD1/4PU104J	M	Carbon Film	AA
	R1357	9GJRD1/4PU104J	M	Carbon Film	AA
	R1358	9GJRD1/4PU224J	M	Carbon Film	AA
	R1359	9GJRD1/4PU473J	M	Carbon Film	AA
	R1360	9GJRD1/4PU472J	M	Carbon Film	AA
	R1361	9GJRD1/4PU221J	M	Carbon Film	AA
	R1362	9GJRD1/4PU223J	M	Carbon Film	AA
	R1363	9GJRD1/4PU103J	M	Carbon Film	AA
	R1364	9GJRD1/4PU333J	M	Carbon Film	AA
	R1365	9GJRD1/4PU104J	M	Carbon Film	AA
	R1366	9GJRD1/4PU104J	M	Carbon Film	AA
	R1367	9GJRD1/4PU223J	M	Carbon Film	AA
	R1368	9GJRD1/4PU223J	M	Carbon Film	AA
	R1369	9GJRD1/4PU223J	M	Carbon Film	AA
	R1372	9GJRD1/4PU513J	M	Carbon Film	AA
	R1373	9GJRD1/4PU682J	M	Carbon Film	AA
	R1374	9GJRD1/4PU682J	M	Carbon Film	AA
	R1381	9GJRD1/4PU223J	M	Carbon Film	AA
	R1382	9GJRD1/4PU223J	M	Carbon Film	AA
	R1383	9GJRD1/4PU223J	M	Carbon Film	AA
	R1384	9GJRD1/4PU303J	M	Carbon Film	AA
	R1390	9GJRD1/4PU822J	M	Carbon Film	AA
	R1391	9GJRD1/4PU562J	M	Carbon Film	AA
	R1392	9GJRD1/2PM103J	M	Carbon Film	AB
	R1393	9GJRD1/4PU472J	M	Carbon Film	AA
	R1394	9GJRD1/4PU432J	M	Carbon Film	AA
	R1395	9GJRD1/4PU223J	M	Carbon Film	AA
	R1396	9GJRD1/4PU472J	M	Carbon Film	AA
	R1397	9GJRD1/4PU472J	M	Carbon Film	AA
	R1398	9GJRD1/4PU432J	M	Carbon Film	AA
	R1399	9GJRS3LMF1R0J	M	Metal Oxide	AD

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN901	9GJKM250MA6	M	Plug, 6-pin	AD
	CN902	9GJKM250MA6B	M	Plug, 6-pin	AD
	CN903	9GJKM250MA6R	M	Plug, 6-pin	AD
	CN904	9GJKM250MA9B	M	Plug, 9-pin	AD
	CN905	9GJKM200IA15	M	Plug, 15-pin	AE
	CN906	9GJKM200IA15	M	Plug, 15-pin	AE
	CN907	9GJKM250MA6R	M	Plug, 6-pin	AD
	CN908	9GJKM250MA10	M	Plug, 10-pin	AD
	CN910	9GJKM250MA10B	M	Plug, 10-pin	AB
	CN1201	9GJKM250MA6	M	Plug, 6-pin	AD
	CN1202	9GJKM250MA8	M	Plug, 8-pin	AD
	CN1205	9GJKM250MA4	M	Plug, 4-pin	AC
	CN1206	9GJKM250MA5	M	Plug, 5-pin	AC
	901	9GJPMB30P160FZ	M	Screw	AC
	902	9GJPMZ30P100FZ	M	Screw	AA
	903	9GJBBZ30P080FC	M	Screw	AA
	1131	9GJPMZ30P100FZ	M	Screw	AA
	1202	9GJBBZ30P080FC	M	Screw	AA
	1203	9GJPMB30P160FZ	M	Screw	AC

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CONVER. DAC ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC1401	9GJPA0053B	M	For Digital Conver	AV
	IC1402	9GJPA0053B	M	For Digital Conver	AV
	IC1403	9GJPM0011AS	M	DAC for Conver Adj	BA
	IC1404	9GJMC14066BF	M	Logic IC	AG
	IC1405	9GJMC14052BF	M	Logic IC	AH
	IC1406	9GJMC14052BF	M	Logic IC	AH
	IC1408	9GJPM0011AS	M	DAC for Conver Adj	BA
	IC1409	9GJPM0011AS	M	DAC for Conver Adj	BA
	IC1410	9GJPM0011AS	M	DAC for Conver Adj	BA
	IC1411	9GJPM0011AS	M	DAC for Conver Adj	BA
	IC1412	9GJPM0011AS	M	DAC for Conver Adj	BA

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q1401	9GJ2SA1162	M	Chip TR	AF
	Q1402	9GJ2SC2712	M	Transistor	AE
	Q1403	9GJ2SA1162	M	Chip TR	AF
	Q1404	9GJ2SC2712	M	Transistor	AE
	Q1405	9GJ2SA1162	M	Chip TR	AF
	Q1406	9GJ2SC2712	M	Transistor	AE
	Q1407	9GJ2SA1162	M	Chip TR	AF
	Q1408	9GJ2SC2712	M	Transistor	AE
	Q1409	9GJ2SC2712	M	Transistor	AE
	Q1410	9GJ2SC2712	M	Transistor	AE

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D1401	9GJ1SS226	M	Diode	AD
	D1402	9GJ1SS226	M	Diode	AD
	D1404	9GJ1SS226	M	Diode	AD
	D1405	9GJ1SS226	M	Diode	AD
	D1406	9GJ1SS226	M	Diode	AD
	D1408	9GJ1SS226	M	Diode	AD
	D1410	9GJ1SS226	M	Diode	AD
	D1411	9GJ1SS226	M	Diode	AD
	D1412	9GJ1SS226	M	Diode	AD
	D1413	9GJ1SS226	M	Diode	AD
	D1414	9GJ1SS226	M	Diode	AD
	D1415	9GJ1SS226	M	Diode	AD
	D1418	9GJ1SS226	M	Diode	AD
	D1419	9GJ1SS226	M	Diode	AD
	D1420	9GJ1SS226	M	Diode	AD
	D1421	9GJ1SS226	M	Diode	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C1401	9GJCEV1R0M50	M	Chip Elect.	AD
	C1402	9GJCEVR47M50	M	Chip Elect.	AD
	C1404	9GJCEV330M10	M	Chip Elect.	AE
	C1405	9GJCFTYA184J50	M	Audio Film	AD
	C1406	9GJCEV101M16	M	Chip Elect.	AD
	C1407	9GJCFTYA224J50	M	Audio Film	AD
	C1408	9GJCKSQYF104Z5	M	Ceramic	AC
	C1409	9GJCEV101M6R3	M	Chip Elect.	AF
	C1410	9GJCKSQYF104Z5	M	Ceramic	AC
	C1411	9GJCFTYA224J50	M	Audio Film	AD
	C1412	9GJCEV101M6R3	M	Chip Elect.	AF
	C1413	9GJCEV101M6R3	M	Chip Elect.	AF
	C1414	9GJCEV100M16	M	Chip Elect.	AD
	C1415	9GJCEV1R0M50	M	Chip Elect.	AD
	C1416	9GJCEV220M16	M	Chip Elect.	AE
	C1417	9GJCEV470M16	M	Chip Elect.	AF
	C1418	9GJCEV330M10	M	Chip Elect.	AE
	C1419	9GJCKSQYF104Z5	M	Ceramic	AC
	C1420	9GJCEV101M6R3	M	Chip Elect.	AF
	C1421	9GJCEV100M16	M	Chip Elect.	AD
	C1422	9GJCEV101M6R3	M	Chip Elect.	AF
	C1423	9GJCKSQYF104Z5	M	Ceramic	AC
	C1424	9GJCCSQCH101J5	M	Chip	AC
	C1425	9GJCKSQYF104Z5	M	Ceramic	AC
	C1426	9GJCEV100M16	M	Chip Elect.	AD
	C1427	9GJCKSQYF104Z5	M	Ceramic	AC
	C1428	9GJCCSQCH101J5	M	Chip	AC
	C1429	9GJCEV101M6R3	M	Chip Elect.	AF
	C1430	9GJCEV101M6R3	M	Chip Elect.	AF
	C1431	9GJCEV100M16	M	Chip Elect.	AD
	C1432	9GJCEV101M6R3	M	Chip Elect.	AF
	C1433	9GJCEV101M6R3	M	Chip Elect.	AF
	C1434	9GJCEV100M16	M	Chip Elect.	AD
	C1435	9GJCEV101M6R3	M	Chip Elect.	AF
	C1436	9GJCEV101M6R3	M	Chip Elect.	AF
	C1437	9GJCEV100M16	M	Chip Elect.	AD
	C1438	9GJCKSQYF104Z5	M	Ceramic	AC
	C1439	9GJCEV101M6R3	M	Chip Elect.	AF
	C1440	9GJCKSQYF104Z5	M	Ceramic	AC
	C1441	9GJCEV101M6R3	M	Chip Elect.	AF
	C1442	9GJCKSQYF104Z5	M	Ceramic	AC
	C1443	9GJCEV101M6R3	M	Chip Elect.	AF
	C1444	9GJCKSQYF104Z5	M	Ceramic	AC
	C1445	9GJCKSQYF104Z5	M	Ceramic	AC
	C1446	9GJCEV101M6R3	M	Chip Elect.	AF
	C1447	9GJCKSQYF104Z5	M	Ceramic	AC
	C1448	9GJCEV101M6R3	M	Chip Elect.	AF
	C1449	9GJCKSQYF104Z5	M	Ceramic	AC
	C1450	9GJCKSQYF104Z5	M	Ceramic	AC
	C1451	9GJCKSQYF104Z5	M	Ceramic	AC
	C1452	9GJCKSQYF104Z5	M	Ceramic	AC
	C1453	9GJCEVR33M50	M	Chip Elect.	AD
	C1454	9GJCFHSQ102J50	M	Chip Film	AD
	C1455	9GJCCSRCH331J5	M	Chip Ceramic	AB
	C1456	9GJCCSQCH821J5	M	Chip	AC
	C1461	9GJCEV101M6R3	M	Chip Elect.	AF
	C1462	9GJCEV101M6R3	M	Chip Elect.	AF
	C1463	9GJCCSQCH101J5	M	Chip	AC
	C1464	9GJCCSQCH101J5	M	Chip	AC
	C1465	9GJCCSQCH101J5	M	Chip	AC
	C1466	9GJCCSQCH101J5	M	Chip	AC
	C1467	9GJCEV101M6R3	M	Chip Elect.	AF
	C1468	9GJCKSQYF104Z5	M	Ceramic	AC
	C1469	9GJCEV101M6R3	M	Chip Elect.	AF
	C1470	9GJCKSQYF104Z5	M	Ceramic	AC
	C1471	9GJCKSQYF104Z5	M	Ceramic	AC
	C1472	9GJCKSQYF104Z5	M	Ceramic	AC
	C1473	9GJCKSQYF104Z5	M	Ceramic	AC
	C1474	9GJCEV101M6R3	M	Chip Elect.	AF
	C1475	9GJCKSQYF104Z5	M	Ceramic	AC
	C1476	9GJCEV101M6R3	M	Chip Elect.	AF
	C1477	9GJCKSQYF104Z5	M	Ceramic	AC
	C1478	9GJCKSQYF104Z5	M	Ceramic	AC
	C1479	9GJCKSQYF104Z5	M	Ceramic	AC
	C1480	9GJCKSQYF104Z5	M	Ceramic	AC
	C1481	9GJCCSQCH101J5	M	Chip	AC
	C1482	9GJCCSQCH101J5	M	Chip	AC
	C1483	9GJCCSQCH101J5	M	Chip	AC
	C1484	9GJCCSQCH101J5	M	Chip	AC
	C1485	9GJCCSQCH101J5	M	Chip	AC
	C1486	9GJCCSQCH101J5	M	Chip	AC
	C1487	9GJCCSQCH101J5	M	Chip	AC
	C1488	9GJCCSQCH101J5	M	Chip	AC
	C1489	9GJCCSQCH101J5	M	Chip	AC
	C1490	9GJCCSQCH101J5	M	Chip	AC
	C1491	9GJCCSQCH101J5	M	Chip	AC
	C1492	9GJCCSQCH101J5	M	Chip	AC
	C1493	9GJCCSQCH101J5	M	Chip	AC
	C1495	9GJCCSQCH101J5	M	Chip	AC
	C1496	9GJCCSQCH101J5	M	Chip	AC
	C1499	9GJCCSQCH101J5	M	Chip	AC
	C1501	9GJCCSQCH101J5	M	Chip	AC
	C1502	9GJCCSQCH101J5	M	Chip	AC
	C1505	9GJCCSQCH101J5	M	Chip	AC
	C1507	9GJCCSQCH101J5	M	Chip	AC
	C1508	9GJCCSQCH101J5	M	Chip	AC
	C1511	9GJCKSQYF104Z5	M	Ceramic	AC
	C1512	9GJCKSQYF104Z5	M	Ceramic	AC
	C1513	9GJCKSQYF104Z5	M	Ceramic	AC
	C1514	9GJCKSQYF104Z5	M	Ceramic	AC
	C1515	9GJCKSQYF104Z5	M	Ceramic	AC
	C1516	9GJCKSQYF104Z5	M	Ceramic	AC

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CONVER. DAC ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C1517	9GJCKSQYF104Z5	M	Ceramic	AC
	C1518	9GJCKSQYF104Z5	M	Ceramic	AC
	C1519	9GJCKSQYF104Z5	M	Ceramic	AC
	C1520	9GJCKSQYF104Z5	M	Ceramic	AC
	C1521	9GJCKSQYF104Z5	M	Ceramic	AC
	C1522	9GJCKSQYF104Z5	M	Ceramic	AC
	C1523	9GJCKSQYF104Z5	M	Ceramic	AC
	C1524	9GJCKSQYF104Z5	M	Ceramic	AC
	C1525	9GJCKSQYF104Z5	M	Ceramic	AC
	C1536	9GJCCSQCH101J5	M	Chip	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R1401	9GJRS1/16S102J	M	Chip	AA
	R1402	9GJRS1/16S622J	M	Chip	AA
	R1403	9GJRS1/16S101J	M	Chip	AA
	R1404	9GJRS1/16S101J	M	Chip	AA
	R1405	9GJRS1/16S102J	M	Chip	AA
	R1406	9GJRS1/16S104J	M	Chip	AA
	R1407	9GJRS1/16S101J	M	Chip	AA
	R1408	9GJRS1/16S101J	M	Chip	AA
	R1409	9GJRS1/16S470J	M	Chip	AA
	R1410	9GJRS1/16S470J	M	Chip	AA
	R1411	9GJRS1/16S470J	M	Chip	AA
	R1412	9GJRS1/16S470J	M	Chip	AA
	R1413	9GJRS1/16S470J	M	Chip	AA
	R1414	9GJRS1/16S470J	M	Chip	AA
	R1415	9GJRS1/16S470J	M	Chip	AA
	R1416	9GJRS1/16S470J	M	Chip	AA
	R1417	9GJRS1/16S221J	M	Chip	AA
	R1418	9GJRS1/16S222J	M	Chip	AA
	R1419	9GJRS1/16S181J	M	Chip	AB
	R1420	9GJRS1/16S102J	M	Chip	AA
	R1421	9GJRS1/16S101J	M	Chip	AA
	R1422	9GJRS1/16S102J	M	Chip	AA
	R1423	9GJRS1/16S512J	M	Chip	AA
	R1424	9GJRS1/16S222J	M	Chip	AA
	R1425	9GJRS1/16S222J	M	Chip	AA
	R1426	9GJRS1/16S222J	M	Chip	AA
	R1427	9GJRS1/16S222J	M	Chip	AA
	R1428	9GJRS1/16S222J	M	Chip	AA
	R1429	9GJRS1/16S222J	M	Chip	AA
	R1430	9GJRS1/16S222J	M	Chip	AA
	R1431	9GJRS1/16S222J	M	Chip	AA
	R1432	9GJRS1/16S101J	M	Chip	AA
	R1433	9GJRS1/16S101J	M	Chip	AA
	R1434	9GJRS1/16S101J	M	Chip	AA
	R1435	9GJRS1/16S101J	M	Chip	AA
	R1436	9GJRS1/16S101J	M	Chip	AA
	R1437	9GJRS1/16S102J	M	Chip	AA
	R1438	9GJRS1/16S102J	M	Chip	AA
	R1439	9GJRS1/16S223J	M	Chip	AA
	R1440	9GJRS1/16S223J	M	Chip	AA
	R1441	9GJRS1/16S473J	M	Chip	AA
	R1442	9GJRS1/16S103J	M	Chip	AA
	R1443	9GJRS1/16S223J	M	Chip	AA
	R1444	9GJRS1/16S223J	M	Chip	AA
	R1445	9GJRS1/16S684J	M	Chip	AB
	R1446	9GJRS1/16S562J	M	Chip	AA
	R1447	9GJRS1/16S333J	M	Chip	AA
	R1448	9GJRS1/16S104J	M	Chip	AA
	R1449	9GJRS1/16S104J	M	Chip	AA
	R1450	9GJRS1/16S104J	M	Chip	AA
	R1451	9GJRS1/16S104J	M	Chip	AA
	R1452	9GJRS1/16S104J	M	Chip	AA
	R1453	9GJRS1/16S104J	M	Chip	AA
	R1454	9GJRS1/16S104J	M	Chip	AA
	R1455	9GJRS1/16S104J	M	Chip	AA
	R1456	9GJRS1/16S622J	M	Chip	AA
	R1457	9GJRS1/16S101J	M	Chip	AA
	R1458	9GJRS1/16S101J	M	Chip	AA
	R1459	9GJRS1/16S101J	M	Chip	AA
	R1460	9GJRS1/16S101J	M	Chip	AA
	R1461	9GJRS1/16S101J	M	Chip	AA
	R1462	9GJRS1/16S101J	M	Chip	AA
	R1463	9GJRS1/16S101J	M	Chip	AA
	R1464	9GJRS1/16S103J	M	Chip	AA
	R1465	9GJRS1/16S221J	M	Chip	AA
	R1466	9GJRS1/16S221J	M	Chip	AA
	R1467	9GJRS1/16S101J	M	Chip	AA
	R1468	9GJRS1/16S101J	M	Chip	AA
	R1469	9GJRS1/16S101J	M	Chip	AA
	R1470	9GJRS1/16S101J	M	Chip	AA
	R1471	9GJRS1/16S101J	M	Chip	AA
	R1472	9GJRS1/16S101J	M	Chip	AA
	R1473	9GJRS1/16S683J	M	Chip	AA
	R1474	9GJRS1/16S274J	M	Chip	AD
	R1475	9GJRS1/16S204J	M	Chip	AA
	R1476	9GJRS1/16S104J	M	Chip	AA
	R1477	9GJRS1/16S104J	M	Chip	AA
	R1478	9GJRS1/16S104J	M	Chip	AA
	R1479	9GJRS1/16S104J	M	Chip	AA
	R1480	9GJRS1/16S104J	M	Chip	AA
	R1481	9GJRS1/16S104J	M	Chip	AA
	R1482	9GJRS1/16S102J	M	Chip	AA
	R1483	9GJRS1/16S181J	M	Chip	AB
	R1484	9GJRS1/16S163J	M	Chip	AA
	R1485	9GJRS1/16S473J	M	Chip	AA
	R1486	9GJRS1/16S394J	M	Chip	AD
	R1488	9GJRS1/16S563J	M	Chip	AA
	R1489	9GJRS1/16S104J	M	Chip	AA
	R1490	9GJRS1/16S104J	M	Chip	AA
	R1491	9GJRS1/16S363J	M	Chip	AA
	R1492	9GJRS1/16S104J	M	Chip	AA
	R1493	9GJRS1/16S104J	M	Chip	AA
	R1494	9GJRS1/16S101J	M	Chip	AA
	R1495	9GJRS1/16S101J	M	Chip	AA
	R1496	9GJRS1/16S101J	M	Chip	AA
	R1497	9GJRS1/16S101J	M	Chip	AA
	R1498	9GJRS1/16S101J	M	Chip	AA
	R1499	9GJRS1/16S101J	M	Chip	AA
	R1500	9GJRS1/16S101J	M	Chip	AA
	R1501	9GJRS1/16S101J	M	Chip	AA
	R1502	9GJRS1/16S101J	M	Chip	AA
	R1503	9GJRS1/16S101J	M	Chip	AA
	R1504	9GJRS1/16S101J	M	Chip	AA
	R1505	9GJRS1/16S101J	M	Chip	AA
	R1506	9GJRS1/16S101J	M	Chip	AA
	R1507	9GJRS1/16S101J	M	Chip	AA
	R1508	9GJRS1/16S221J	M	Chip	AA
	R1509	9GJRS1/16S103J	M	Chip	AA
	R1510	9GJRS1/16S221J	M	Chip	AA
	R1511	9GJRS1/16S221J	M	Chip	AA
	R1512	9GJRS1/16S222J	M	Chip	AA
	R1513	9GJRS1/16S104J	M	Chip	AA
	R1514	9GJRS1/16S104J	M	Chip	AA
	R1515	9GJRS1/16S104J	M	Chip	AA
	R1516	9GJRS1/16S104J	M	Chip	AA
	R1517	9GJRS1/16S102J	M	Chip	AA
	R1518	9GJRS1/16S181J	M	Chip	AB
	R1519	9GJRS1/16S163J	M	Chip	AA
	R1521	9GJRS1/16S304J	M	Chip	AA
	R1523	9GJRS1/16S563J	M	Chip	AA
	R1524	9GJRS1/16S104J	M	Chip	AA
	R1525	9GJRS1/16S104J	M	Chip	AA
	R1526	9GJRS1/16S363J	M	Chip	AA
	R1527	9GJRS1/16S104J	M	Chip	AA
	R1528	9GJRS1/16S104J	M	Chip	AA
	R1529	9GJRS1/16S101J	M	Chip	AA
	R1530	9GJRS1/16S101J	M	Chip	AA
	R1531	9GJRS1/16S101J	M	Chip	AA
	R1532	9GJRS1/16S101J	M	Chip	AA
	R1533	9GJRS1/16S101J	M	Chip	AA
	R1534	9GJRS1/16S101J	M	Chip	AA
	R1535	9GJRS1/16S101J	M	Chip	AA
	R1536	9GJRS1/16S101J	M	Chip	AA
	R1537	9GJRS1/16S101J	M	Chip	AA
	R1538	9GJRS1/16S101J	M	Chip	AA

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CONVER. DAC ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R1539	9GJRS1/16S101J	M	Chip	AA
	R1540	9GJRS1/16S101J	M	Chip	AA
	R1541	9GJRS1/16S101J	M	Chip	AA
	R1542	9GJRS1/16S101J	M	Chip	AA
	R1543	9GJRS1/16S221J	M	Chip	AA
	R1544	9GJRS1/16S103J	M	Chip	AA
	R1545	9GJRS1/16S221J	M	Chip	AA
	R1546	9GJRS1/16S221J	M	Chip	AA
	R1547	9GJRS1/16S222J	M	Chip	AA
	R1548	9GJRS1/16S104J	M	Chip	AA
	R1549	9GJRS1/16S104J	M	Chip	AA
	R1550	9GJRS1/16S104J	M	Chip	AA
	R1551	9GJRS1/16S104J	M	Chip	AA
	R1552	9GJRS1/16S102J	M	Chip	AA
	R1553	9GJRS1/16S181J	M	Chip	AB
	R1554	9GJRS1/16S223J	M	Chip	AA
	R1555	9GJRS1/16S163J	M	Chip	AA
	R1556	9GJRS1/16S154J	M	Chip	AA
	R1558	9GJRS1/16S563J	M	Chip	AA
	R1559	9GJRS1/16S104J	M	Chip	AA
	R1560	9GJRS1/16S104J	M	Chip	AA
	R1561	9GJRS1/16S363J	M	Chip	AA
	R1562	9GJRS1/16S104J	M	Chip	AA
	R1563	9GJRS1/16S104J	M	Chip	AA
	R1564	9GJRS1/16S101J	M	Chip	AA
	R1565	9GJRS1/16S101J	M	Chip	AA
	R1566	9GJRS1/16S101J	M	Chip	AA
	R1567	9GJRS1/16S101J	M	Chip	AA
	R1568	9GJRS1/16S101J	M	Chip	AA
	R1569	9GJRS1/16S101J	M	Chip	AA
	R1570	9GJRS1/16S101J	M	Chip	AA
	R1571	9GJRS1/16S101J	M	Chip	AA
	R1572	9GJRS1/16S101J	M	Chip	AA
	R1573	9GJRS1/16S101J	M	Chip	AA
	R1574	9GJRS1/16S101J	M	Chip	AA
	R1575	9GJRS1/16S101J	M	Chip	AA
	R1576	9GJRS1/16S101J	M	Chip	AA
	R1577	9GJRS1/16S101J	M	Chip	AA
	R1578	9GJRS1/16S221J	M	Chip	AA
	R1579	9GJRS1/16S103J	M	Chip	AA
	R1580	9GJRS1/16S221J	M	Chip	AA
	R1581	9GJRS1/16S221J	M	Chip	AA
	R1582	9GJRS1/16S222J	M	Chip	AA
	R1583	9GJRS1/16S104J	M	Chip	AA
	R1584	9GJRS1/16S104J	M	Chip	AA
	R1585	9GJRS1/16S104J	M	Chip	AA
	R1586	9GJRS1/16S104J	M	Chip	AA
	R1587	9GJRS1/16S181J	M	Chip	AB
	R1588	9GJRS1/16S102J	M	Chip	AA
	R1590	9GJRS1/16S204J	M	Chip	AA
	R1591	9GJRS1/16S104J	M	Chip	AA
	R1592	9GJRS1/16S104J	M	Chip	AA
	R1593	9GJRS1/16S104J	M	Chip	AA
	R1594	9GJRS1/16S104J	M	Chip	AA
	R1595	9GJRS1/16S104J	M	Chip	AA
	R1596	9GJRS1/16S104J	M	Chip	AA
	R1597	9GJRS1/16S104J	M	Chip	AA
	R1598	9GJRS1/16S104J	M	Chip	AA
	R1599	9GJRS1/16S104J	M	Chip	AA
	R1600	9GJRS1/16S104J	M	Chip	AA
	R1601	9GJRS1/16S221J	M	Chip	AA
	R1602	9GJRS1/16S222J	M	Chip	AA
	R1603	9GJRS1/16S101J	M	Chip	AA
	R1604	9GJRS1/16S104J	M	Chip	AA
	R1605	9GJRS1/16S104J	M	Chip	AA
	R1606	9GJRS1/16S104J	M	Chip	AA
	R1607	9GJRS1/16S104J	M	Chip	AA
	R1608	9GJRS1/16S101J	M	Chip	AA
	R1609	9GJRS1/16S101J	M	Chip	AA
	R1610	9GJRS1/16S101J	M	Chip	AA
	R1611	9GJRS1/16S101J	M	Chip	AA
	R1612	9GJRS1/16S101J	M	Chip	AA
	R1613	9GJRS1/16S101J	M	Chip	AA
	R1614	9GJRS1/16S101J	M	Chip	AA
	R1615	9GJRS1/16S103J	M	Chip	AA
	R1616	9GJRS1/16S221J	M	Chip	AA
	R1617	9GJRS1/16S221J	M	Chip	AA
	R1618	9GJRS1/16S101J	M	Chip	AA
	R1619	9GJRS1/16S101J	M	Chip	AA
	R1620	9GJRS1/16S101J	M	Chip	AA
	R1621	9GJRS1/16S101J	M	Chip	AA
	R1622	9GJRS1/16S101J	M	Chip	AA
	R1623	9GJRS1/16S101J	M	Chip	AA
	R1624	9GJRS1/16S103J	M	Chip	AA
	R1625	9GJRS1/16S101J	M	Chip	AA
	R1626	9GJRS1/16S333J	M	Chip	AA
	R1627	9GJRS1/16S103J	M	Chip	AA
	R1628	9GJRS1/16S181J	M	Chip	AB
	R1629	9GJRS1/16S102J	M	Chip	AA
	R1630	9GJRS1/16S562J	M	Chip	AA
	R1631	9GJRS1/16S562J	M	Chip	AA
	R1632	9GJRS1/16S562J	M	Chip	AA
	R1633	9GJRS1/16S114J	M	Chip	AA
	R1634	9GJRS1/16S204J	M	Chip	AA
	R1635	9GJRS1/16S104J	M	Chip	AA
	R1636	9GJRS1/16S104J	M	Chip	AA
	R1637	9GJRS1/16S104J	M	Chip	AA
	R1638	9GJRS1/16S104J	M	Chip	AA
	R1639	9GJRS1/16S104J	M	Chip	AA
	R1640	9GJRS1/16S104J	M	Chip	AA
	R1641	9GJRS1/16S113J	M	Chip	AA
	R1642	9GJRS1/16S101J	M	Chip	AA
	R1643	9GJRS1/16S221J	M	Chip	AA
	R1644	9GJRS1/16S222J	M	Chip	AA
	R1645	9GJRS1/16S101J	M	Chip	AA
	R1646	9GJRS1/16S104J	M	Chip	AA
	R1647	9GJRS1/16S104J	M	Chip	AA
	R1648	9GJRS1/16S104J	M	Chip	AA
	R1649	9GJRS1/16S104J	M	Chip	AA
	R1650	9GJRS1/16S101J	M	Chip	AA
	R1651	9GJRS1/16S101J	M	Chip	AA
	R1652	9GJRS1/16S101J	M	Chip	AA
	R1653	9GJRS1/16S101J	M	Chip	AA
	R1654	9GJRS1/16S101J	M	Chip	AA
	R1655	9GJRS1/16S101J	M	Chip	AA
	R1656	9GJRS1/16S101J	M	Chip	AA
	R1657	9GJRS1/16S103J	M	Chip	AA
	R1658	9GJRS1/16S221J	M	Chip	AA
	R1659	9GJRS1/16S221J	M	Chip	AA
	R1660	9GJRS1/16S101J	M	Chip	AA
	R1661	9GJRS1/16S101J	M	Chip	AA
	R1662	9GJRS1/16S101J	M	Chip	AA
	R1663	9GJRS1/16S101J	M	Chip	AA
	R1664	9GJRS1/16S101J	M	Chip	AA
	R1665	9GJRS1/16S101J	M	Chip	AA
	R1666	9GJRS1/16S101J	M	Chip	AA
	R1667	9GJRS1/16S101J	M	Chip	AA
	R1668	9GJRS1/16S101J	M	Chip	AA
	R1669	9GJRS1/16S101J	M	Chip	AA
	R1670	9GJRS1/16S101J	M	Chip	AA
	R1671	9GJRS1/16S471J	M	Chip	AA
	R1672	9GJRS1/16S125J	M	Chip	AB
	R1673	9GJRS1/16S684J	M	Chip	AB
	R1674	9GJRS1/16S125J	M	Chip	AB
	R1675	9GJRS1/16S684J	M	Chip	AB
	R1676	9GJRS1/16S125J	M	Chip	AB
	R1677	9GJRS1/16S184J	M	Chip	AA
	R1678	9GJRS1/16S394J	M	Chip	AD
	R1679	9GJRS1/16S101J	M	Chip	AA
	R1680	9GJRS1/16S101J	M	Chip	AA
	R1681	9GJRS1/16S101J	M	Chip	AA
	R1682	9GJRS1/16S101J	M	Chip	AA
	R1683	9GJRS1/16S101J	M	Chip	AA
	R1684	9GJRS1/16S101J	M	Chip	AA
	R1685	9GJRS1/16S101J	M	Chip	AA
	R1686	9GJRS1/16S104J	M	Chip	AA
	R1687	9GJRS1/16S104J	M	Chip	AA
	R1688	9GJRS1/16S101J	M	Chip	AA

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CONVER. DAC ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R1689	9GJRS1/16S103J	M	Chip	AA
	R1690	9GJRS1/16S101J	M	Chip	AA
	R1691	9GJRS1/16S333J	M	Chip	AA
	R1692	9GJRS1/16S103J	M	Chip	AA
	R1693	9GJRS1/16S562J	M	Chip	AA
	R1694	9GJRS1/16S562J	M	Chip	AA
	R1695	9GJRS1/16S562J	M	Chip	AA
	R1696	9GJRS1/16S471J	M	Chip	AA
	R1697	9GJRS1/16S103J	M	Chip	AA
	R1698	9GJRS1/16S101J	M	Chip	AA
	R1699	9GJRS1/16S333J	M	Chip	AA
	R1700	9GJRS1/16S103J	M	Chip	AA
	R1701	9GJRS1/16S562J	M	Chip	AA
	R1702	9GJRS1/16S562J	M	Chip	AA
	R1703	9GJRS1/16S562J	M	Chip	AA
	R1704	9GJRS1/16S471J	M	Chip	AA
	R1705	9GJRS1/16S103J	M	Chip	AA
	R1707	9GJRS1/16S333J	M	Chip	AA
	R1708	9GJRS1/16S103J	M	Chip	AA
	R1712	9GJRS1/16S471J	M	Chip	AA
	R1713	9GJRS1/16S103J	M	Chip	AA
	R1715	9GJRS1/16S333J	M	Chip	AA
	R1716	9GJRS1/16S103J	M	Chip	AA
	R1720	9GJRS1/16S471J	M	Chip	AA
	R1721	9GJRS1/16S103J	M	Chip	AA
	R1723	9GJRS1/16S333J	M	Chip	AA
	R1724	9GJRS1/16S103J	M	Chip	AA
	R1728	9GJRS1/16S471J	M	Chip	AA
	R1729	9GJRS1/16S153J	M	Chip	AB
	R1730	9GJRS1/16S223J	M	Chip	AA
	R1731	9GJRS1/16S101J	M	Chip	AA
	R1734	9GJRS1/16S102J	M	Chip	AA
	R1735	9GJRS1/16S102J	M	Chip	AA
	R1736	9GJRS1/16S101J	M	Chip	AA
	R1737	9GJRS1/16S153J	M	Chip	AB
	R1738	9GJRS1/16S223J	M	Chip	AA
	R1739	9GJRS1/16S153J	M	Chip	AB
	R1741	9GJRS1/16S564J	M	Chip	AA
	R1743	9GJRS1/16S101J	M	Chip	AA
	R1744	9GJRS1/16S274J	M	Chip	AD
	R1745	9GJRS1/16S274J	M	Chip	AD
	R1746	9GJRS1/16S102J	M	Chip	AA
	R1747	9GJRS1/16S102J	M	Chip	AA
	R1748	9GJRS1/16S101J	M	Chip	AA
	R1749	9GJRS1/16S682J	M	Chip	AA
	R1750	9GJRS1/16S183J	M	Chip	AB
	R1751	9GJRS1/16S113J	M	Chip	AA
	R1754	9GJRS1/16S304J	M	Chip	AA
	R1755	9GJRS1/16S124J	M	Chip	AA
	R1756	9GJRS1/16S104J	M	Chip	AA
	R1757	9GJRS1/16S334J	M	Chip	AA
	R1759	9GJRS1/16S364J	M	Chip	AA
	R1760	9GJRS1/16S474J	M	Chip	AB
	R1761	9GJRS1/16S124J	M	Chip	AA
	R1762	9GJRS1/16S184J	M	Chip	AA
	R1763	9GJRS1/16S114J	M	Chip	AA
	R1764	9GJRS1/16S124J	M	Chip	AA
	R1765	9GJRS1/16S124J	M	Chip	AA
	R1766	9GJRS1/16S274J	M	Chip	AD
	R1767	9GJRS1/16S184J	M	Chip	AA
	R1768	9GJRS1/16S223J	M	Chip	AA
	R1769	9GJRS1/16S223J	M	Chip	AA
	R1770	9GJRS1/16S433J	M	Chip	AA
	R1771	9GJRS1/16S125J	M	Chip	AB
	R1772	9GJRS1/16S101J	M	Chip	AA
	R1773	9GJRS1/16S304J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN1401	9GJAKT1019	M	Plug, 15-pin	
	CN1402	9GJAKT1019	M	Plug, 15-pin	

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CONNECTOR ASS'Y

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN1801	9GJAKT1019	M	Plug, 15-pin	
	CN1802	9GJAKT1019	M	Plug, 15-pin	
	CN1803	9GJKP200IA15L	M	Socket, 15-pin	AE
	CN1804	9GJKP200IA15L	M	Socket, 15-pin	AE
	J1801	9GJD15A15-100	M	Jumper Wire	AD
	J1802	9GJD15A15-100	M	Jumper Wire	AD

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FRONT CONTROL ASS'Y

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5003	9GJCEV101M6R3	M	Chip Elect.	AF
	C5004	9GJCKSQYF103Z5	M	Chip	AC
	C5005	9GJCKSQYF103Z5	M	Chip	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5012	9GJRS1/16S102J	M	Chip	AA
	R5013	9GJRS1/16S470J	M	Chip	AA
	R5014	9GJRS1/16S101J	M	Chip	AA
	R5015	9GJRS1/16S181J	M	Chip	AB
	R5016	9GJRS1/16S301J	M	Chip	AA
	R5017	9GJRS1/16S561J	M	Chip	AA
	R5018	9GJRS1/16S222J	M	Chip	AA
	R5019	9GJRS1/16S102J	M	Chip	AA
	R5020	9GJRS1/16S622J	M	Chip	AA

SWITCHES

Mark	Ref. No.	Part No.	★	Description	Code
	S5001	9GJASG1034-A	M	Switch Power	AD
	S5002	9GJASG1034-A	M	Switch Input	AD
	S5003	9GJASG1034-A	M	Switch CH-	AD
	S5004	9GJASG1034-A	M	Switch CH+	AD
	S5005	9GJASG1034-A	M	Switch Return	AD
	S5006	9GJASG1034-A	M	Switch Factory	AD
	S5007	9GJASG1034-A	M	Switch VOL-	AD
	S5008	9GJASG1034-A	M	Switch VOL+	AD

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5001	9GJKM250MA8	M	Plug, 8-pin	AD
	J5001	9GJADX2500	M	Housing Wire	AQ

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FRONT INPUT ASS'Y

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q5041	9GJ2SC2712	M	Transistor	AE
	Q5042	9GJ2SC2712	M	Transistor	AE

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5041	9GJRD15MB	M	Zener Diode	AD
	D5042	9GJRD15MB	M	Zener Diode	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5041	9GJCEV470M16	M	Chip Elect.	AF
	C5042	9GJCKSQYF103Z5	M	Chip	AC
	C5043	9GJCEV1R0M50	M	Chip Elect.	AD
	C5044	9GJCEV1R0M50	M	Chip Elect.	AD
	C5045	9GJCKSQYF103Z5	M	Chip	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5041	9GJRS1/16S750J	M	Chip	AA
	R5043	9GJRD14LMF101J	M	Carbon Film	AB
	R5044	9GJRS1/16S750J	M	Chip	AA
	R5045	9GJRS1/16S750J	M	Chip	AA
	R5046	9GJRS1/16S473J	M	Chip	AA
	R5047	9GJRS1/16S474J	M	Chip	AB
	R5048	9GJRS1/16S474J	M	Chip	AB
	R5049	9GJRS1/16S473J	M	Chip	AA
	R5050	9GJRS1/16S473J	M	Chip	AA
	R5051	9GJRS1/16S473J	M	Chip	AA
	R5052	9GJRS1/16S221J	M	Chip	AA
	R5053	9GJRS1/16S221J	M	Chip	AA
	R5054	9GJRS1/16S222J	M	Chip	AA
	R5055	9GJRS1/16S222J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5041	9GJKM250MA13	M	Plug, 13-pin	AE
	CN5042	9GJAKB1261	M	Pin Jack	AV

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LED DPO ASS'Y

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q5001	9GJ2SA1162	M	Chip TR	AF
	Q5002	9GJ2SC2712	M	Transistor	AE
	Q5003	9GJ2SC2712	M	Transistor	AE
	Q5004	9GJ2SC2712	M	Transistor	AE
	Q5005	9GJ2SA1162	M	Chip TR	AF

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5002	9GJ1SS181	M	Diode	AE
	D5004	9GJAEL1177	M	LED(Red)	AH
	D5006	9GJAEL1174	M	LED(Green)	AS
	D5007	9GJAEL1177	M	LED(Red)	AH

PACKAGED CIRCUIT

Mark	Ref. No.	Part No.	★	Description	Code
	PC5001	9GJP1241-09	M	CDS	AG

CONTROL

Mark	Ref. No.	Part No.	★	Description	Code
	VR5001	9GJVRTS6VS473	M	VR	AG

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5001	9GJCEV100M16	M	Chip Elect.	AD
	C5002	9GJCEV330M25	M	Chip Elect.	AE

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5002	9GJRS1/16S222J	M	Chip	AA
	R5003	9GJRS1/16S222J	M	Chip	AA
	R5005	9GJRS1/16S152J	M	Chip	AA
	R5006	9GJRS1/10S152J	M	Chip	AH
	R5007	9GJRS1/16S273J	M	Chip	AA
	R5008	9GJRS1/16S562J	M	Chip	AA
	R5010	9GJRS1/16S334J	M	Chip	AA
	R5011	9GJRS1/16S102J	M	Chip	AA
	R5035	9GJRS1/16S103J	M	Chip	AA
	R5036	9GJRS1/16S103J	M	Chip	AA
	R5061	9GJRS1/16S223J	M	Chip	AA
	R5062	9GJRS1/16S223J	M	Chip	AA
	R5063	9GJRS1/10S152J	M	Chip	AH
	R5064	9GJRS1/16S223J	M	Chip	AA
	R5065	9GJRS1/16S223J	M	Chip	AA
	R5066	9GJRS1/10S331J	M	Chip	AH

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	5001	9GJAMR2294	M	DPO Holder	AE

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SR ASS'Y

PACKAGED CIRCUIT

Mark	Ref. No.	Part No.	★	Description	Code
	X5071	9GJGP1U281X	M		AN

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5071	9GJCEV101M6R3	M	Chip Elect.	AF
	C5072	9GJCCSQSL121J5	M	Chip	AH

RESISTOR

Mark	Ref. No.	Part No.	★	Description	Code
	R5071	9GJRS1/16S102J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5071	9GJKM250MA4B	M	Plug, 4-pin	AC

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SR BNC ASS'Y

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q5021	9GJ2SC2712	M	Transistor	AE
	Q5022	9GJ2SC2712	M	Transistor	AE
	Q5023	9GJ2SA1162	M	Chip TR	AF
	Q5024	9GJ2SC2712	M	Transistor	AE

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5021	9GJ1SS352	M	Diode(SMD)	AD
	D5022	9GJ1SS352	M	Diode(SMD)	AD
	D5023	9GJRD6.8MB	M	Zener Diode	AD
	D5024	9GJ1SS352	M	Diode(SMD)	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5021	9GJCKSQYF103Z5	M	Chip	AC
	C5022	9GJCKSQYF472Z5	M	Ceramic	AB
	C5023	9GJCKSQYF103Z5	M	Chip	AC
	C5024	9GJCEV470M6R3	M	Chip Elect.	AE

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5021	9GJRS1/16S102J	M	Chip	AA
	R5022	9GJRS1/16S472J	M	Chip	AA
	R5023	9GJRS1/16S103J	M	Chip	AA
	R5024	9GJRS1/16S223J	M	Chip	AA
	R5025	9GJRS1/16S223J	M	Chip	AA
	R5026	9GJRS1/16S223J	M	Chip	AA
	R5027	9GJRS1/16S101J	M	Chip	AA
	R5028	9GJRS1/16S103J	M	Chip	AA
	R5029	9GJRS1/16S224J	M	Chip	AA
	R5030	9GJRS1/16S223J	M	Chip	AA
	R5031	9GJRS1/16S102J	M	Chip	AA
	R5032	9GJRS1/16S223J	M	Chip	AA
	R5033	9GJRS1/16S101J	M	Chip	AA
	R5034	9GJRS1/16S0R0J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5023	9GJKM250MA4B	M	Plug, 4-pin	AC
	CN5027	9GJAKN-207	M	Jack	AF
	J5024	9GJADX2499	M	Housing Wire	AK
	J5026	9GJADX2498	M	Housing Wire	AK
	5028	9GJVNE1948	M	Screw Plate	AC
	5029	9GJVNE1948	M	Screw Plate	AC

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AV I/O ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC6001	9GJCXA2069Q	M	AV Selector IC	BB
	IC6201	9GJTC74HC4053F	M	Logic IC	AR
	IC6202	9GJTC74HC4053F	M	Logic IC	AR
	IC6203	9GJTC74HC4053F	M	Logic IC	AR
	IC6401	9GJMC14066BF	M	Logic IC	AG
	IC6402	9GJMC14066BF	M	Logic IC	AG
	IC6403	9GJCXA1315M	M	8bit D/A	AT

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q6001	9GJ2SC2712	M	Transistor	AE
	Q6002	9GJ2SC2712	M	Transistor	AE
	Q6005	9GJ2SC2712	M	Transistor	AE
	Q6006	9GJ2SC2712	M	Transistor	AE
	Q6007	9GJ2SC2712	M	Transistor	AE
	Q6010	9GJ2SC2712	M	Transistor	AE
	Q6011	9GJ2SC2712	M	Transistor	AE
	Q6012	9GJ2SA1162	M	Chip TR	AF
	Q6021	9GJ2SC2712	M	Transistor	AE
	Q6022	9GJ2SA1162	M	Chip TR	AF
	Q6023	9GJ2SC2712	M	Transistor	AE
	Q6024	9GJ2SA1162	M	Chip TR	AF
	Q6025	9GJ2SA1162	M	Chip TR	AF
	Q6027	9GJ2SC2712	M	Transistor	AE
	Q6028	9GJ2SC2712	M	Transistor	AE
	Q6029	9GJ2SC2712	M	Transistor	AE
	Q6030	9GJ2SC2712	M	Transistor	AE
	Q6031	9GJ2SC2712	M	Transistor	AE
	Q6032	9GJ2SC2712	M	Transistor	AE
	Q6033	9GJ2SC2712	M	Transistor	AE
	Q6036	9GJ2SA1162	M	Chip TR	AF
	Q6037	9GJ2SC2712	M	Transistor	AE
	Q6038	9GJ2SA1162	M	Chip TR	AF
	Q6039	9GJ2SA1162	M	Chip TR	AF
	Q6040	9GJ2SA1162	M	Chip TR	AF
	Q6041	9GJ2SC2712	M	Transistor	AE
	Q6042	9GJ2SC2712	M	Transistor	AE
	Q6043	9GJ2SC2712	M	Transistor	AE
	Q6044	9GJ2SC2712	M	Transistor	AE
	Q6045	9GJ2SC2712	M	Transistor	AE
	Q6046	9GJ2SC2712	M	Transistor	AE
	Q6047	9GJ2SC2712	M	Transistor	AE
	Q6201	9GJ2SA1162	M	Chip TR	AF
	Q6202	9GJ2SC4213	M	Transistor	AF
	Q6203	9GJ2SA1162	M	Chip TR	AF
	Q6204	9GJ2SA1162	M	Chip TR	AF
	Q6205	9GJ2SC4213	M	Transistor	AF
	Q6206	9GJ2SA1162	M	Chip TR	AF
	Q6207	9GJ2SC4213	M	Transistor	AF
	Q6208	9GJ2SA1162	M	Chip TR	AF
	Q6209	9GJ2SC4213	M	Transistor	AF
	Q6210	9GJ2SA1162	M	Chip TR	AF
	Q6211	9GJ2SC4213	M	Transistor	AF
	Q6212	9GJ2SC4213	M	Transistor	AF
	Q6213	9GJ2SA1162	M	Chip TR	AF
	Q6214	9GJ2SA1162	M	Chip TR	AF
	Q6215	9GJ2SA1162	M	Chip TR	AF
	Q6216	9GJ2SA1162	M	Chip TR	AF
	Q6217	9GJ2SA1162	M	Chip TR	AF
	Q6218	9GJ2SA1162	M	Chip TR	AF
	Q6219	9GJ2SA1162	M	Chip TR	AF
	Q6220	9GJ2SA1162	M	Chip TR	AF
	Q6221	9GJ2SA1162	M	Chip TR	AF
	Q6223	9GJ2SA1162	M	Chip TR	AF
	Q6227	9GJ2SA1162	M	Chip TR	AF
	Q6228	9GJ2SC4213	M	Transistor	AF
	Q6229	9GJ2SA1162	M	Chip TR	AF
	Q6230	9GJ2SA1162	M	Chip TR	AF
	Q6231	9GJ2SC4213	M	Transistor	AF
	Q6232	9GJ2SC4213	M	Transistor	AF
	Q6233	9GJ2SC2712	M	Transistor	AE

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AV I/O ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	Q6234	9GJ2SC2712	M	Transistor	AE
	Q6235	9GJ2SC2712	M	Transistor	AE
	Q6238	9GJ2SC2712	M	Transistor	AE
	Q6239	9GJ2SC2712	M	Transistor	AE
	Q6240	9GJ2SC2712	M	Transistor	AE
	Q6241	9GJ2SC2712	M	Transistor	AE
	Q6242	9GJ2SC2712	M	Transistor	AE
	Q6243	9GJ2SC2712	M	Transistor	AE
	Q6244	9GJ2SC2712	M	Transistor	AE
	Q6245	9GJ2SC2712	M	Transistor	AE
	Q6246	9GJ2SC2712	M	Transistor	AE
	Q6247	9GJ2SC2712	M	Transistor	AE
	Q6248	9GJ2SC2712	M	Transistor	AE
	Q6249	9GJ2SC2712	M	Transistor	AE
	Q6250	9GJ2SC2712	M	Transistor	AE
	Q6251	9GJ2SC2712	M	Transistor	AE
	Q6252	9GJ2SC2712	M	Transistor	AE
	Q6253	9GJ2SC2712	M	Transistor	AE
	Q6254	9GJ2SC2712	M	Transistor	AE
	Q6255	9GJ2SC2712	M	Transistor	AE
	Q6256	9GJ2SC2712	M	Transistor	AE
	Q6257	9GJ2SC2712	M	Transistor	AE
	Q6258	9GJ2SC2712	M	Transistor	AE
	Q6259	9GJ2SC2712	M	Transistor	AE
	Q6260	9GJ2SC2712	M	Transistor	AE
	Q6261	9GJ2SC2712	M	Transistor	AE
	Q6403	9GJ2SC2712	M	Transistor	AE
	Q6404	9GJ2SA1162	M	Chip TR	AF
	Q6405	9GJ2SC2712	M	Transistor	AE
	Q6406	9GJ2SC2712	M	Transistor	AE
	Q6407	9GJ2SC2712	M	Transistor	AE
	Q6408	9GJ2SC2712	M	Transistor	AE
	Q6409	9GJ2SC2712	M	Transistor	AE
	Q6410	9GJ2SA1162	M	Chip TR	AF
	Q6411	9GJ2SC2712	M	Transistor	AE
	Q6412	9GJ2SA1162	M	Chip TR	AF
	Q6413	9GJ2SC2712	M	Transistor	AE
	Q6414	9GJ2SA1162	M	Chip TR	AF
	Q6415	9GJ2SA1162	M	Chip TR	AF
	Q6416	9GJ2SA1162	M	Chip TR	AF

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D6001	9GJ1SS226	M	Diode	AD
	D6002	9GJ1SS226	M	Diode	AD
	D6003	9GJ1SS226	M	Diode	AD
	D6004	9GJ1SS226	M	Diode	AD
	D6005	9GJ1SS226	M	Diode	AD
	D6006	9GJ1SS226	M	Diode	AD
	D6007	9GJ1SS226	M	Diode	AD
	D6008	9GJ1SS226	M	Diode	AD
	D6009	9GJ1SS226	M	Diode	AD
	D6010	9GJ1SS226	M	Diode	AD
	D6011	9GJ1SS226	M	Diode	AD
	D6012	9GJ1SS226	M	Diode	AD
	D6013	9GJ1SS226	M	Diode	AD
	D6014	9GJ1SS226	M	Diode	AD
	D6015	9GJ1SS226	M	Diode	AD
	D6016	9GJ1SS226	M	Diode	AD
	D6017	9GJ1SS226	M	Diode	AD
	D6018	9GJ1SS226	M	Diode	AD
	D6019	9GJ1SS226	M	Diode	AD
	D6020	9GJ1SS226	M	Diode	AD
	D6021	9GJ1SS226	M	Diode	AD
	D6022	9GJ1SS226	M	Diode	AD
	D6023	9GJ1SS352	M	Diode(SMD)	AD
	D6024	9GJ1SS226	M	Diode	AD
	D6025	9GJ1SS226	M	Diode	AD
	D6031	9GJ1SS226	M	Diode	AD
	D6032	9GJ1SS226	M	Diode	AD
	D6033	9GJ1SS352	M	Diode(SMD)	AD
	D6034	9GJ1SS352	M	Diode(SMD)	AD
	D6035	9GJ1SS226	M	Diode	AD
	D6036	9GJ1SS226	M	Diode	AD
	D6037	9GJ1SS226	M	Diode	AD
	D6039	9GJ1SS352	M	Diode(SMD)	AD
	D6040	9GJ1SS352	M	Diode(SMD)	AD
	D6201	9GJ1SS226	M	Diode	AD
	D6202	9GJ1SS226	M	Diode	AD
	D6203	9GJ1SS226	M	Diode	AD
	D6204	9GJ1SS226	M	Diode	AD
	D6205	9GJ1SS226	M	Diode	AD
	D6206	9GJ1SS226	M	Diode	AD
	D6207	9GJ1SS226	M	Diode	AD
	D6208	9GJ1SS226	M	Diode	AD
	D6209	9GJ1SS226	M	Diode	AD
	D6210	9GJ1SS352	M	Diode(SMD)	AD
	D6211	9GJ1SS352	M	Diode(SMD)	AD
	D6212	9GJ1SS352	M	Diode(SMD)	AD
	D6213	9GJ1SS352	M	Diode(SMD)	AD
	D6214	9GJ1SS352	M	Diode(SMD)	AD
	D6215	9GJ1SS352	M	Diode(SMD)	AD
	D6401	9GJ1SS226	M	Diode	AD
	D6402	9GJ1SS226	M	Diode	AD
	D6403	9GJ1SS226	M	Diode	AD
	D6404	9GJ1SS226	M	Diode	AD
	D6405	9GJ1SS184	M	Diode(SMD)	AC
	D6406	9GJ1SS226	M	Diode	AD
	D6407	9GJ1SS352	M	Diode(SMD)	AD
	D6408	9GJ1SS352	M	Diode(SMD)	AD
	D6409	9GJRD3.6MB	M	Zener Diode	AC
	D6410	9GJ1SS352	M	Diode(SMD)	AD
	D6412	9GJ1SS184	M	Diode(SMD)	AC
	D6413	9GJ1SS184	M	Diode(SMD)	AC
	D6414	9GJ1SS226	M	Diode	AD
	D6415	9GJ1SS226	M	Diode	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C6001	9GJCEV470M16	M	Chip Elect.	AF
	C6002	9GJCEV1R0M50	M	Chip Elect.	AD
	C6003	9GJCEV1R0M50	M	Chip Elect.	AD
	C6004	9GJCEV470M16	M	Chip Elect.	AF
	C6005	9GJCKSQYF103Z5	M	Chip	AC
	C6006	9GJCEV100M16	M	Chip Elect.	AD
	C6007	9GJCEV4R7M35	M	Chip Elect.	AD
	C6011	9GJCEV1R0M50	M	Chip Elect.	AD
	C6012	9GJCEV1R0M50	M	Chip Elect.	AD
	C6013	9GJCEV1R0M50	M	Chip Elect.	AD
	C6014	9GJCEV1R0M50	M	Chip Elect.	AD
	C6015	9GJCEV220M16	M	Chip Elect.	AE
	C6016	9GJCEV220M16	M	Chip Elect.	AE
	C6017	9GJCEV220M16	M	Chip Elect.	AE
	C6018	9GJCEV470M16	M	Chip Elect.	AF
	C6019	9GJCEVNPR10M50	M	Chip Elect.(N.P)	AE
	C6020	9GJCEV470M16	M	Chip Elect.	AF
	C6021	9GJCKSQYF103Z5	M	Chip	AC
	C6022	9GJCKSQYF103Z5	M	Chip	AC
	C6023	9GJCKSQYF103Z5	M	Chip	AC
	C6024	9GJCEV220M16	M	Chip Elect.	AE
	C6025	9GJCEVNPR10M50	M	Chip Elect.(N.P)	AE
	C6026	9GJCEV1R0M50	M	Chip Elect.	AD
	C6027	9GJCEV1R0M50	M	Chip Elect.	AD
	C6028	9GJCEV220M16	M	Chip Elect.	AE
	C6029	9GJCEV220M16	M	Chip Elect.	AE
	C6030	9GJCEVNPR10M50	M	Chip Elect.(N.P)	AE
	C6031	9GJCEV1R0M50	M	Chip Elect.	AD
	C6032	9GJCEV1R0M50	M	Chip Elect.	AD
	C6033	9GJCEV220M16	M	Chip Elect.	AE
	C6034	9GJCEV220M16	M	Chip Elect.	AE
	C6035	9GJCEVNPR10M50	M	Chip Elect.(N.P)	AE
	C6036	9GJCEV1R0M50	M	Chip Elect.	AD
	C6037	9GJCEV1R0M50	M	Chip Elect.	AD
	C6038	9GJCKSQYF103Z5	M	Chip	AC
	C6039	9GJCKSQYF103Z5	M	Chip	AC
	C6040	9GJCKSQYF103Z5	M	Chip	AC
	C6041	9GJCEVR47M50	M	Chip Elect.	AD
	C6042	9GJCEV1R0M50	M	Chip Elect.	AD

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AV I/O ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C6043	9GJCEVR47M50	M	Chip Elect.	AD
	C6044	9GJCEV1R0M50	M	Chip Elect.	AD
	C6045	9GJCEV1R0M50	M	Chip Elect.	AD
	C6046	9GJCEV1R0M50	M	Chip Elect.	AD
	C6059	9GJCKSQYB332K5	M	Ceramic	AC
	C6061	9GJCKSQYB332K5	M	Ceramic	AC
	C6062	9GJCEV102M6R3	M	Chip Elect.	AF
	C6063	9GJCEV101M6R3	M	Chip Elect.	AF
	C6064	9GJCKSQYF103Z5	M	Chip	AC
	C6065	9GJCEV100M16	M	Chip Elect.	AD
	C6066	9GJCEV4R7M35	M	Chip Elect.	AD
	C6067	9GJCEV220M16	M	Chip Elect.	AE
	C6068	9GJCEV100M16	M	Chip Elect.	AD
	C6069	9GJCEV4R7M35	M	Chip Elect.	AD
	C6071	9GJCKSQYF103Z5	M	Chip	AC
	C6072	9GJCKSQYF103Z5	M	Chip	AC
	C6073	9GJCKSQYF103Z5	M	Chip	AC
	C6074	9GJCEV470M16	M	Chip Elect.	AF
	C6075	9GJCKSQYF103Z5	M	Chip	AC
	C6076	9GJCEV470M16	M	Chip Elect.	AF
	C6079	9GJCEV470M16	M	Chip Elect.	AF
	C6082	9GJCKSQYF103Z5	M	Chip	AC
	C6083	9GJCEV220M16	M	Chip Elect.	AE
	C6084	9GJCEV1R0M50	M	Chip Elect.	AD
	C6085	9GJCEV1R0M50	M	Chip Elect.	AD
	C6086	9GJCEV100M16	M	Chip Elect.	AD
	C6087	9GJCEV4R7M35	M	Chip Elect.	AD
	C6088	9GJCEV220M16	M	Chip Elect.	AE
	C6089	9GJCKSQYF103Z5	M	Chip	AC
	C6090	9GJCEV100M16	M	Chip Elect.	AD
	C6091	9GJCEV4R7M35	M	Chip Elect.	AD
	C6092	9GJCEV220M16	M	Chip Elect.	AE
	C6093	9GJCKSQYF103Z5	M	Chip	AC
	C6201	9GJCEV220M16	M	Chip Elect.	AE
	C6202	9GJCEV220M16	M	Chip Elect.	AE
	C6203	9GJCEV220M16	M	Chip Elect.	AE
	C6204	9GJCEV220M16	M	Chip Elect.	AE
	C6205	9GJCEV220M16	M	Chip Elect.	AE
	C6206	9GJCEV220M16	M	Chip Elect.	AE
	C6207	9GJCKSQYF103Z5	M	Chip	AC
	C6208	9GJCEV220M16	M	Chip Elect.	AE
	C6209	9GJCEV220M16	M	Chip Elect.	AE
	C6210	9GJCEV220M16	M	Chip Elect.	AE
	C6211	9GJCKSQYF103Z5	M	Chip	AC
	C6212	9GJCEV220M16	M	Chip Elect.	AE
	C6213	9GJCEV220M16	M	Chip Elect.	AE
	C6214	9GJCEV220M16	M	Chip Elect.	AE
	C6215	9GJCEV220M16	M	Chip Elect.	AE
	C6216	9GJCEV220M16	M	Chip Elect.	AE
	C6217	9GJCEV220M16	M	Chip Elect.	AE
	C6218	9GJCKSQYF103Z5	M	Chip	AC
	C6219	9GJCEV470M16	M	Chip Elect.	AF
	C6220	9GJCEV470M16	M	Chip Elect.	AF
	C6221	9GJCEV470M16	M	Chip Elect.	AF
	C6222	9GJCEV470M16	M	Chip Elect.	AF
	C6223	9GJCKSQYF103Z5	M	Chip	AC
	C6224	9GJCKSQYF103Z5	M	Chip	AC
	C6225	9GJCEV220M16	M	Chip Elect.	AE
	C6226	9GJCEV220M16	M	Chip Elect.	AE
	C6227	9GJCEV220M16	M	Chip Elect.	AE
	C6228	9GJCEV100M16	M	Chip Elect.	AD
	C6229	9GJCEV4R7M35	M	Chip Elect.	AD
	C6231	9GJCKSQYF103Z5	M	Chip	AC
	C6232	9GJCKSQYF103Z5	M	Chip	AC
	C6233	9GJCKSQYF103Z5	M	Chip	AC
	C6234	9GJCKSQYF103Z5	M	Chip	AC
	C6235	9GJCEV470M16	M	Chip Elect.	AF
	C6236	9GJCKSQYF103Z5	M	Chip	AC
	C6237	9GJCEV470M16	M	Chip Elect.	AF
	C6238	9GJCKSQYF103Z5	M	Chip	AC
	C6239	9GJCKSQYF103Z5	M	Chip	AC
	C6240	9GJCKSQYF103Z5	M	Chip	AC
	C6241	9GJCKSQYF103Z5	M	Chip	AC
	C6242	9GJCEV470M16	M	Chip Elect.	AF
	C6243	9GJCKSQYF103Z5	M	Chip	AC
	C6244	9GJCEV470M16	M	Chip Elect.	AF
	C6245	9GJCKSQYF103Z5	M	Chip	AC
	C6246	9GJCKSQYF103Z5	M	Chip	AC
	C6247	9GJCKSQYF103Z5	M	Chip	AC
	C6248	9GJCKSQYF103Z5	M	Chip	AC
	C6249	9GJCKSQYF103Z5	M	Chip	AC
	C6250	9GJCKSQYF103Z5	M	Chip	AC
	C6251	9GJCEV100M16	M	Chip Elect.	AD
	C6252	9GJCEV4R7M35	M	Chip Elect.	AD
	C6254	9GJCKSQYF103Z5	M	Chip	AC
	C6255	9GJCKSQYF103Z5	M	Chip	AC
	C6256	9GJCKSQYF103Z5	M	Chip	AC
	C6257	9GJCEV470M16	M	Chip Elect.	AF
	C6258	9GJCKSQYF103Z5	M	Chip	AC
	C6259	9GJCEV4R7M35	M	Chip Elect.	AD
	C6260	9GJCEV100M16	M	Chip Elect.	AD
	C6261	9GJCKSQYF103Z5	M	Chip	AC
	C6262	9GJCEV220M16	M	Chip Elect.	AE
	C6401	9GJCKSQYF103Z5	M	Chip	AC
	C6402	9GJCKSQYF103Z5	M	Chip	AC
	C6403	9GJCKSQYF103Z5	M	Chip	AC
	C6404	9GJCKSQYF103Z5	M	Chip	AC
	C6405	9GJCEV470M16	M	Chip Elect.	AF
	C6406	9GJCEV1R0M50	M	Chip Elect.	AD
	C6407	9GJCEV470M16	M	Chip Elect.	AF
	C6408	9GJCEV470M16	M	Chip Elect.	AF
	C6409	9GJCEV1R0M50	M	Chip Elect.	AD
	C6410	9GJCEV1R0M50	M	Chip Elect.	AD
	C6411	9GJCEV101M6R3	M	Chip Elect.	AF
	C6412	9GJCEV101M6R3	M	Chip Elect.	AF
	C6413	9GJCKSQYF103Z5	M	Chip	AC
	C6414	9GJCEV470M16	M	Chip Elect.	AF

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R6001	9GJRS1/16S474J	M	Chip	AB
	R6002	9GJRS1/16S474J	M	Chip	AB
	R6003	9GJRS1/10S750J	M	Chip	AB
	R6004	9GJRS1/16S104J	M	Chip	AA
	R6005	9GJRS1/16S103J	M	Chip	AA
	R6006	9GJRS1/16S104J	M	Chip	AA
	R6007	9GJRS1/16S181J	M	Chip	AB
	R6008	9GJRS1/16S181J	M	Chip	AB
	R6009	9GJRS1/16S222J	M	Chip	AA
	R6010	9GJRS1/16S222J	M	Chip	AA
	R6011	9GJRS1/16S221J	M	Chip	AA
	R6012	9GJRS1/16S622J	M	Chip	AA
	R6013	9GJRS1/16S221J	M	Chip	AA
	R6014	9GJRS1/16S622J	M	Chip	AA
	R6015	9GJRS1/16S622J	M	Chip	AA
	R6016	9GJRS1/16S622J	M	Chip	AA
	R6017	9GJRS1/16S622J	M	Chip	AA
	R6018	9GJRS1/16S750J	M	Chip	AA
	R6019	9GJRS1/16S622J	M	Chip	AA
	R6020	9GJRS1/16S221J	M	Chip	AA
	R6021	9GJRS1/16S221J	M	Chip	AA
	R6022	9GJRS1/16S221J	M	Chip	AA
	R6023	9GJRS1/16S221J	M	Chip	AA
	R6024	9GJRS1/16S221J	M	Chip	AA
	R6025	9GJRS1/16S221J	M	Chip	AA
	R6026	9GJRS1/16S221J	M	Chip	AA
	R6027	9GJRS1/16S622J	M	Chip	AA
	R6028	9GJRS1/16S622J	M	Chip	AA
	R6029	9GJRS1/16S221J	M	Chip	AA
	R6030	9GJRS1/16S221J	M	Chip	AA
	R6031	9GJRS1/16S221J	M	Chip	AA
	R6032	9GJRS1/16S221J	M	Chip	AA
	R6033	9GJRS1/16S221J	M	Chip	AA
	R6036	9GJRS1/16S104J	M	Chip	AA
	R6037	9GJRS1/16S221J	M	Chip	AA
	R6038	9GJRS1/16S682J	M	Chip	AA
	R6039	9GJRS1/16S562J	M	Chip	AA
	R6040	9GJRS1/16S102J	M	Chip	AA

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AV I/O ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R6041	9GJRS1/16S222J	M	Chip	AA
	R6052	9GJRS1/16S221J	M	Chip	AA
	R6053	9GJRS1/16S221J	M	Chip	AA
	R6054	9GJRS1/16S222J	M	Chip	AA
	R6055	9GJRS1/16S153J	M	Chip	AB
	R6056	9GJRS1/16S183J	M	Chip	AB
	R6057	9GJRS1/16S153J	M	Chip	AB
	R6058	9GJRS1/16S183J	M	Chip	AB
	R6059	9GJRS1/16S332J	M	Chip	AA
	R6060	9GJRS1/16S750J	M	Chip	AA
	R6061	9GJRS1/16S750J	M	Chip	AA
	R6062	9GJRS1/16S474J	M	Chip	AB
	R6063	9GJRS1/16S474J	M	Chip	AB
	R6064	9GJRS1/16S750J	M	Chip	AA
	R6065	9GJRS1/16S750J	M	Chip	AA
	R6066	9GJRS1/16S750J	M	Chip	AA
	R6067	9GJRS1/16S221J	M	Chip	AA
	R6068	9GJRS1/16S332J	M	Chip	AA
	R6069	9GJRD14LMF270J	M	Carbon Film	AB
	R6070	9GJRS1/16S474J	M	Chip	AB
	R6071	9GJRS1/16S474J	M	Chip	AB
	R6072	9GJRS1/16S750J	M	Chip	AA
	R6073	9GJRS1/16S750J	M	Chip	AA
	R6074	9GJRS1/16S750J	M	Chip	AA
	R6075	9GJRS1/16S221J	M	Chip	AA
	R6076	9GJRD12LMF1R0J	M	Carbon Film	AB
	R6077	9GJRS1/16S222J	M	Chip	AA
	R6078	9GJRS1/16S222J	M	Chip	AA
	R6079	9GJRS1/16S222J	M	Chip	AA
	R6080	9GJRS1/16S222J	M	Chip	AA
	R6081	9GJRS1/16S222J	M	Chip	AA
	R6082	9GJRS1/16S222J	M	Chip	AA
	R6083	9GJRS1/16S622J	M	Chip	AA
	R6084	9GJRS1/16S622J	M	Chip	AA
	R6085	9GJRS1/16S622J	M	Chip	AA
	R6086	9GJRS1/16S622J	M	Chip	AA
	R6087	9GJRS1/16S221J	M	Chip	AA
	R6088	9GJRS1/16S221J	M	Chip	AA
	R6109	9GJRS1/16S223J	M	Chip	AA
	R6125	9GJRS1/16S560J	M	Chip	AA
	R6126	9GJRS1/16S560J	M	Chip	AA
	R6127	9GJRS1/16S153J	M	Chip	AB
	R6128	9GJRS1/16S153J	M	Chip	AB
	R6129	9GJRS1/16S101J	M	Chip	AA
	R6130	9GJRS1/10S182J	M	Chip	AH
	R6133	9GJRS1/16S622J	M	Chip	AA
	R6134	9GJRS1/16S622J	M	Chip	AA
	R6135	9GJRS1/16S474J	M	Chip	AB
	R6136	9GJRS1/16S474J	M	Chip	AB
	R6137	9GJRS1/16S222J	M	Chip	AA
	R6138	9GJRS1/16S222J	M	Chip	AA
	R6139	9GJRS1/16S104J	M	Chip	AA
	R6140	9GJRS1/16S221J	M	Chip	AA
	R6141	9GJRS1/16S103J	M	Chip	AA
	R6142	9GJRS1/16S562J	M	Chip	AA
	R6143	9GJRS1/16S102J	M	Chip	AA
	R6144	9GJRS1/16S472J	M	Chip	AA
	R6145	9GJRS1/16S103J	M	Chip	AA
	R6146	9GJRS1/16S223J	M	Chip	AA
	R6147	9GJRS1/16S223J	M	Chip	AA
	R6148	9GJRS1/16S101J	M	Chip	AA
	R6149	9GJRS1/16S221J	M	Chip	AA
	R6150	9GJRS1/16S222J	M	Chip	AA
	R6151	9GJRS1/16S101J	M	Chip	AA
	R6152	9GJRS1/16S104J	M	Chip	AA
	R6153	9GJRS1/16S682J	M	Chip	AA
	R6154	9GJRS1/16S562J	M	Chip	AA
	R6155	9GJRS1/16S102J	M	Chip	AA
	R6156	9GJRS1/16S222J	M	Chip	AA
	R6161	9GJRS1/16S223J	M	Chip	AA
	R6162	9GJRS1/16S223J	M	Chip	AA
	R6163	9GJRS1/16S223J	M	Chip	AA
	R6164	9GJRS1/16S223J	M	Chip	AA
	R6165	9GJRS1/16S101J	M	Chip	AA
	R6166	9GJRS1/16S183J	M	Chip	AB
	R6167	9GJRS1/16S221J	M	Chip	AA
	R6168	9GJRS1/16S183J	M	Chip	AB
	R6169	9GJRS1/16S221J	M	Chip	AA
	R6170	9GJRS1/16S221J	M	Chip	AA
	R6171	9GJRS1/16S221J	M	Chip	AA
	R6172	9GJRS1/16S102J	M	Chip	AA
	R6173	9GJRS1/16S101J	M	Chip	AA
	R6174	9GJRS1/16S221J	M	Chip	AA
	R6175	9GJRS1/16S222J	M	Chip	AA
	R6176	9GJRS1/16S101J	M	Chip	AA
	R6181	9GJRS1/16S821J	M	Chip	AA
	R6182	9GJRS1/16S750J	M	Chip	AA
	R6183	9GJRS1/16S821J	M	Chip	AA
	R6184	9GJRS1/16S104J	M	Chip	AA
	R6185	9GJRS1/16S221J	M	Chip	AA
	R6186	9GJRS1/16S103J	M	Chip	AA
	R6187	9GJRS1/16S562J	M	Chip	AA
	R6188	9GJRS1/16S102J	M	Chip	AA
	R6189	9GJRS1/16S472J	M	Chip	AA
	R6190	9GJRS1/16S103J	M	Chip	AA
	R6191	9GJRS1/16S223J	M	Chip	AA
	R6192	9GJRS1/16S223J	M	Chip	AA
	R6193	9GJRS1/16S104J	M	Chip	AA
	R6194	9GJRS1/16S221J	M	Chip	AA
	R6195	9GJRS1/16S103J	M	Chip	AA
	R6196	9GJRS1/16S562J	M	Chip	AA
	R6197	9GJRS1/16S102J	M	Chip	AA
	R6198	9GJRS1/16S472J	M	Chip	AA
	R6199	9GJRS1/16S103J	M	Chip	AA
	R6200	9GJRS1/16S223J	M	Chip	AA
	R6201	9GJRS1/16S750J	M	Chip	AA
	R6202	9GJRS1/16S750J	M	Chip	AA
	R6203	9GJRS1/16S750J	M	Chip	AA
	R6204	9GJRS1/16S750J	M	Chip	AA
	R6205	9GJRS1/16S750J	M	Chip	AA
	R6206	9GJRS1/16S750J	M	Chip	AA
	R6207	9GJRS1/16S123J	M	Chip	AA
	R6208	9GJRS1/16S182J	M	Chip	AA
	R6209	9GJRS1/16S101J	M	Chip	AA
	R6210	9GJRS1/16S101J	M	Chip	AA
	R6211	9GJRS1/16S222J	M	Chip	AA
	R6212	9GJRS1/16S101J	M	Chip	AA
	R6213	9GJRS1/16S101J	M	Chip	AA
	R6214	9GJRS1/16S222J	M	Chip	AA
	R6215	9GJRS1/16S101J	M	Chip	AA
	R6216	9GJRS1/16S101J	M	Chip	AA
	R6217	9GJRS1/16S153J	M	Chip	AB
	R6218	9GJRS1/16S222J	M	Chip	AA
	R6219	9GJRS1/16S153J	M	Chip	AB
	R6220	9GJRS1/16S222J	M	Chip	AA
	R6221	9GJRS1/16S153J	M	Chip	AB
	R6222	9GJRS1/16S222J	M	Chip	AA
	R6223	9GJRS1/16S123J	M	Chip	AA
	R6224	9GJRS1/16S123J	M	Chip	AA
	R6225	9GJRS1/16S123J	M	Chip	AA
	R6226	9GJRS1/16S123J	M	Chip	AA
	R6227	9GJRS1/16S123J	M	Chip	AA
	R6228	9GJRS1/16S123J	M	Chip	AA
	R6229	9GJRS1/16S123J	M	Chip	AA
	R6230	9GJRS1/16S123J	M	Chip	AA
	R6231	9GJRS1/16S123J	M	Chip	AA
	R6232	9GJRS1/16S123J	M	Chip	AA
	R6233	9GJRS1/16S123J	M	Chip	AA
	R6234	9GJRS1/16S222J	M	Chip	AA
	R6235	9GJRS1/16S101J	M	Chip	AA
	R6236	9GJRS1/16S101J	M	Chip	AA
	R6237	9GJRS1/16S222J	M	Chip	AA
	R6238	9GJRS1/16S101J	M	Chip	AA
	R6239	9GJRS1/16S101J	M	Chip	AA
	R6240	9GJRS1/16S222J	M	Chip	AA
	R6241	9GJRS1/16S101J	M	Chip	AA
	R6242	9GJRS1/16S101J	M	Chip	AA
	R6243	9GJRS1/16S153J	M	Chip	AB

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AV I/O ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R6244	9GJRS1/16S222J	M	Chip	AA
	R6245	9GJRS1/16S153J	M	Chip	AB
	R6246	9GJRS1/16S222J	M	Chip	AA
	R6247	9GJRS1/16S153J	M	Chip	AB
	R6248	9GJRS1/16S222J	M	Chip	AA
	R6249	9GJRS1/16S750J	M	Chip	AA
	R6250	9GJRS1/16S750J	M	Chip	AA
	R6251	9GJRS1/16S750J	M	Chip	AA
	R6252	9GJRS1/16S101J	M	Chip	AA
	R6253	9GJRS1/16S101J	M	Chip	AA
	R6254	9GJRS1/16S101J	M	Chip	AA
	R6255	9GJRS1/16S223J	M	Chip	AA
	R6256	9GJRS1/16S123J	M	Chip	AA
	R6257	9GJRS1/16S223J	M	Chip	AA
	R6258	9GJRS1/16S123J	M	Chip	AA
	R6259	9GJRS1/16S223J	M	Chip	AA
	R6260	9GJRS1/16S123J	M	Chip	AA
	R6261	9GJRS1/16S104J	M	Chip	AA
	R6262	9GJRS1/16S104J	M	Chip	AA
	R6263	9GJRS1/16S104J	M	Chip	AA
	R6264	9GJRS1/16S104J	M	Chip	AA
	R6265	9GJRS1/16S104J	M	Chip	AA
	R6266	9GJRS1/16S104J	M	Chip	AA
	R6267	9GJRS1/16S101J	M	Chip	AA
	R6268	9GJRS1/16S101J	M	Chip	AA
	R6269	9GJRS1/16S101J	M	Chip	AA
	R6270	9GJRS1/16S681J	M	Chip	AA
	R6271	9GJRS1/16S681J	M	Chip	AA
	R6272	9GJRS1/16S681J	M	Chip	AA
	R6273	9GJRS1/16S332J	M	Chip	AA
	R6274	9GJRS1/16S122J	M	Chip	AB
	R6275	9GJRS1/16S470J	M	Chip	AA
	R6276	9GJRS1/16S470J	M	Chip	AA
	R6277	9GJRS1/16S470J	M	Chip	AA
	R6278	9GJRS1/16S470J	M	Chip	AA
	R6279	9GJRS1/16S470J	M	Chip	AA
	R6280	9GJRS1/16S470J	M	Chip	AA
	R6284	9GJRS1/16S513J	M	Chip	AB
	R6285	9GJRS1/16S393J	M	Chip	AA
	R6286	9GJRS1/16S472J	M	Chip	AA
	R6294	9GJRS1/16S152J	M	Chip	AA
	R6295	9GJRS1/16S101J	M	Chip	AA
	R6296	9GJRS1/16S820J	M	Chip	AA
	R6297	9GJRS1/16S152J	M	Chip	AA
	R6298	9GJRS1/16S101J	M	Chip	AA
	R6299	9GJRS1/16S820J	M	Chip	AA
	R6300	9GJRS1/16S152J	M	Chip	AA
	R6301	9GJRS1/16S101J	M	Chip	AA
	R6302	9GJRS1/16S820J	M	Chip	AA
	R6303	9GJRS1/16S153J	M	Chip	AB
	R6304	9GJRS1/16S222J	M	Chip	AA
	R6305	9GJRS1/16S153J	M	Chip	AB
	R6306	9GJRS1/16S222J	M	Chip	AA
	R6307	9GJRS1/16S153J	M	Chip	AB
	R6308	9GJRS1/16S222J	M	Chip	AA
	R6309	9GJRS1/16S104J	M	Chip	AA
	R6310	9GJRS1/16S183J	M	Chip	AB
	R6311	9GJRS1/16S562J	M	Chip	AA
	R6312	9GJRS1/16S101J	M	Chip	AA
	R6313	9GJRS1/16S182J	M	Chip	AA
	R6314	9GJRS1/16S223J	M	Chip	AA
	R6315	9GJRS1/16S102J	M	Chip	AA
	R6321	9GJRS1/16S104J	M	Chip	AA
	R6322	9GJRS1/16S101J	M	Chip	AA
	R6323	9GJRS1/16S104J	M	Chip	AA
	R6324	9GJRS1/16S101J	M	Chip	AA
	R6325	9GJRS1/16S104J	M	Chip	AA
	R6326	9GJRS1/16S101J	M	Chip	AA
	R6327	9GJRS1/16S104J	M	Chip	AA
	R6328	9GJRS1/16S101J	M	Chip	AA
	R6329	9GJRS1/16S470J	M	Chip	AA
	R6330	9GJRS1/16S470J	M	Chip	AA
	R6331	9GJRS1/16S470J	M	Chip	AA
	R6332	9GJRS1/16S470J	M	Chip	AA
	R6333	9GJRS1/16S470J	M	Chip	AA
	R6334	9GJRS1/16S470J	M	Chip	AA
	R6335	9GJRS1/16S104J	M	Chip	AA
	R6336	9GJRS1/16S101J	M	Chip	AA
	R6337	9GJRS1/16S104J	M	Chip	AA
	R6338	9GJRS1/16S101J	M	Chip	AA
	R6339	9GJRS1/16S471J	M	Chip	AA
	R6340	9GJRS1/16S471J	M	Chip	AA
	R6341	9GJRS1/16S471J	M	Chip	AA
	R6342	9GJRS1/16S681J	M	Chip	AA
	R6343	9GJRS1/16S332J	M	Chip	AA
	R6344	9GJRS1/16S104J	M	Chip	AA
	R6345	9GJRS1/16S101J	M	Chip	AA
	R6346	9GJRS1/16S104J	M	Chip	AA
	R6347	9GJRS1/16S101J	M	Chip	AA
	R6348	9GJRS1/16S104J	M	Chip	AA
	R6349	9GJRS1/16S101J	M	Chip	AA
	R6350	9GJRS1/16S104J	M	Chip	AA
	R6351	9GJRS1/16S101J	M	Chip	AA
	R6352	9GJRS1/16S470J	M	Chip	AA
	R6353	9GJRS1/16S470J	M	Chip	AA
	R6354	9GJRS1/16S470J	M	Chip	AA
	R6355	9GJRS1/16S470J	M	Chip	AA
	R6356	9GJRS1/16S470J	M	Chip	AA
	R6357	9GJRS1/16S470J	M	Chip	AA
	R6358	9GJRS1/16S104J	M	Chip	AA
	R6359	9GJRS1/16S101J	M	Chip	AA
	R6360	9GJRS1/16S104J	M	Chip	AA
	R6361	9GJRS1/16S101J	M	Chip	AA
	R6362	9GJRS1/16S471J	M	Chip	AA
	R6363	9GJRS1/16S471J	M	Chip	AA
	R6364	9GJRS1/16S471J	M	Chip	AA
	R6365	9GJRS1/16S681J	M	Chip	AA
	R6366	9GJRS1/16S332J	M	Chip	AA
	R6367	9GJRS1/16S104J	M	Chip	AA
	R6368	9GJRS1/16S183J	M	Chip	AB
	R6369	9GJRS1/16S562J	M	Chip	AA
	R6370	9GJRS1/16S101J	M	Chip	AA
	R6371	9GJRS1/16S182J	M	Chip	AA
	R6372	9GJRS1/16S223J	M	Chip	AA
	R6373	9GJRS1/16S102J	M	Chip	AA
	R6374	9GJRS1/16S103J	M	Chip	AA
	R6375	9GJRS1/16S103J	M	Chip	AA
	R6376	9GJRS1/16S103J	M	Chip	AA
	R6377	9GJRS1/16S103J	M	Chip	AA
	R6378	9GJRS1/16S103J	M	Chip	AA
	R6379	9GJRS1/16S562J	M	Chip	AA
	R6380	9GJRS1/16S104J	M	Chip	AA
	R6381	9GJRS1/16S102J	M	Chip	AA
	R6382	9GJRS1/16S472J	M	Chip	AA
	R6383	9GJRS1/16S221J	M	Chip	AA
	R6384	9GJRS1/16S223J	M	Chip	AA
	R6385	9GJRS1/16S223J	M	Chip	AA
	R6407	9GJRS1/16S223J	M	Chip	AA
	R6408	9GJRS1/16S223J	M	Chip	AA
	R6409	9GJRS1/16S223J	M	Chip	AA
	R6410	9GJRS1/16S223J	M	Chip	AA
	R6411	9GJRS1/16S473J	M	Chip	AA
	R6412	9GJRS1/16S563J	M	Chip	AA
	R6413	9GJRS1/16S473J	M	Chip	AA
	R6414	9GJRS1/16S103J	M	Chip	AA
	R6415	9GJRS1/16S221J	M	Chip	AA
	R6416	9GJRS1/16S821J	M	Chip	AA
	R6417	9GJRS1/16S222J	M	Chip	AA
	R6418	9GJRS1/16S821J	M	Chip	AA
	R6419	9GJRS1/16S222J	M	Chip	AA
	R6420	9GJRS1/16S332J	M	Chip	AA
	R6421	9GJRS1/16S104J	M	Chip	AA
	R6422	9GJRS1/16S104J	M	Chip	AA
	R6423	9GJRS1/16S181J	M	Chip	AB
	R6424	9GJRS1/16S181J	M	Chip	AB
	R6425	9GJRS1/16S332J	M	Chip	AA
	R6426	9GJRS1/16S221J	M	Chip	AA
	R6427	9GJRS1/16S221J	M	Chip	AA

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AV I/O ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R6428	9GJRS1/16S223J	M	Chip	AA
	R6429	9GJRS1/16S223J	M	Chip	AA
	R6430	9GJRS1/16S223J	M	Chip	AA
	R6431	9GJRS1/16S223J	M	Chip	AA
	R6432	9GJRS1/16S473J	M	Chip	AA
	R6433	9GJRS1/16S223J	M	Chip	AA
	R6434	9GJRS1/16S183J	M	Chip	AB
	R6435	9GJRS1/16S223J	M	Chip	AA
	R6436	9GJRS1/16S223J	M	Chip	AA
	R6437	9GJRS1/16S101J	M	Chip	AA
	R6438	9GJRS1/16S101J	M	Chip	AA
	R6439	9GJRS1/16S101J	M	Chip	AA
	R6440	9GJRS1/16S101J	M	Chip	AA
	R6441	9GJRS1/16S101J	M	Chip	AA
	R6442	9GJRS1/16S101J	M	Chip	AA
	R6443	9GJRS1/16S101J	M	Chip	AA
	R6444	9GJRS1/16S101J	M	Chip	AA
	R6445	9GJRS1/16S101J	M	Chip	AA
	R6446	9GJRS1/16S101J	M	Chip	AA
	R6447	9GJRS1/16S101J	M	Chip	AA
	R6448	9GJRS1/16S101J	M	Chip	AA
	R6449	9GJRS1/16S101J	M	Chip	AA
	R6450	9GJRS1/16S101J	M	Chip	AA
	R6451	9GJRS1/16S101J	M	Chip	AA
	R6452	9GJRS1/16S101J	M	Chip	AA
	R6454	9GJRS1/16S103J	M	Chip	AA
	R6455	9GJRS1/16S101J	M	Chip	AA
	R6456	9GJRS1/16S103J	M	Chip	AA
	R6457	9GJRS1/16S101J	M	Chip	AA
	R6458	9GJRS1/16S101J	M	Chip	AA
	R6459	9GJRS1/16S101J	M	Chip	AA
	R6460	9GJRS1/16S221J	M	Chip	AA
	R6461	9GJRS1/16S221J	M	Chip	AA
	R6464	9GJRS1/16S472J	M	Chip	AA
	R6465	9GJRS1/16S562J	M	Chip	AA
	R6466	9GJRS1/16S102J	M	Chip	AA
	R6467	9GJRS1/10S821J	M	Chip	AH
	R6468	9GJRS1/16S0R0J	M	Chip	AA
	R6470	9GJRS1/16S104J	M	Chip	AA
	R6521	9GJRS1/16S0R0J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN6002	9GJKM250MA10L	M	L-Plug, 10-pin	AE
	CN6003	9GJKM250MA8L	M	L-Plug, 8-pin	AD
	CN6004	9GJKM250MA4LR	M	Plug, 4-pin	AD
	CN6006	9GJAKB1271	M	Pin Jack	AY
	CN6007	9GJAKB1272	M	Pin Jack	AX
	CN6008	9GJKM250MA13L	M	Plug, 13-pin	
	CN6010	9GJAKB1275	M	Pin Jack	AU
	CN6201	9GJAKM1155	M	Plug, 44-pin	AQ
	CN6202	9GJAKB1274	M	Pin Jack	AW
	CN6204	9GJKM250MA11L	M	L-Plug, 11-pin	AE
	CN6403	9GJKM250MA6L	M	Plug, 6-pin	AD
	CN6404	9GJAKM1154	M	Plug, 32-pin	AN

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INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC2201	9GJPD5462	M	TV System Control	BU
	IC2202	9GJPD5463	M	TV Control	BT
	IC2203	9GJPD5497	M	TV CCD Control	BS
	IC2204	9GJ24LC32A	M	EEPROM	AS
	IC2205	9GJPST9146N	M	System Reset IC	AF
	IC2206	9GJPD0264AM	M	OSD IC	BK
	IC2207	9GJPST9146N	M	System Reset IC	AF
	IC2208	9GJMC14066BF	M	Logic IC	AG
	IC2209	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC2210	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC2211	9GJTC74HC4053F	M	Logic IC	AR
	IC2212	9GJTC74HC4053F	M	Logic IC	AR
	IC2701	9GJCXA1734S	M	US MPX Decoder IC	BA
	IC2702	9GJMC14066BF	M	Logic IC	AG
	IC2703	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC2704	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC2801	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC2802	9GJPQ20VZ1U	M	Regurater IC	AQ

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q2201	9GJ2SC2712	M	Transistor	AE
	Q2202	9GJ2SA1162	M	Chip TR	AF
	Q2203	9GJ2SC2712	M	Transistor	AE
	Q2204	9GJ2SA1162	M	Chip TR	AF
	Q2205	9GJ2SC2712	M	Transistor	AE
	Q2206	9GJ2SA1162	M	Chip TR	AF
	Q2207	9GJ2SC2712	M	Transistor	AE
	Q2208	9GJ2SA1162	M	Chip TR	AF
	Q2209	9GJ2SC2712	M	Transistor	AE
	Q2210	9GJ2SA1162	M	Chip TR	AF
	Q2211	9GJ2SC2712	M	Transistor	AE
	Q2212	9GJ2SA1162	M	Chip TR	AF
	Q2213	9GJ2SC2712	M	Transistor	AE
	Q2214	9GJ2SC2712	M	Transistor	AE
	Q2215	9GJ2SC2712	M	Transistor	AE
	Q2216	9GJ2SC2712	M	Transistor	AE
	Q2217	9GJ2SC2712	M	Transistor	AE
	Q2218	9GJ2SA1162	M	Chip TR	AF
	Q2219	9GJ2SC2712	M	Transistor	AE
	Q2220	9GJ2SC2712	M	Transistor	AE
	Q2221	9GJ2SC2712	M	Transistor	AE
	Q2222	9GJ2SJ460	M	P-FET	AC
	Q2223	9GJ2SC2712	M	Transistor	AE
	Q2224	9GJ2SC2712	M	Transistor	AE
	Q2225	9GJ2SC2712	M	Transistor	AE
	Q2226	9GJ2SC2712	M	Transistor	AE
	Q2227	9GJ2SC2712	M	Transistor	AE
	Q2228	9GJ2SC2712	M	Transistor	AE
	Q2229	9GJ2SC2712	M	Transistor	AE
	Q2701	9GJ2SA1162	M	Chip TR	AF
	Q2702	9GJ2SC2712	M	Transistor	AE
	Q2703	9GJ2SC2712	M	Transistor	AE
	Q2704	9GJ2SC2712	M	Transistor	AE
	Q2705	9GJ2SC2712	M	Transistor	AE
	Q2706	9GJ2SA1162	M	Chip TR	AF
	Q2707	9GJ2SC2712	M	Transistor	AE
	Q2708	9GJ2SC2712	M	Transistor	AE
	Q2710	9GJ2SA1162	M	Chip TR	AF
	Q2711	9GJ2SC2712	M	Transistor	AE
	Q2712	9GJ2SC2712	M	Transistor	AE
	Q2713	9GJ2SA1162	M	Chip TR	AF
	Q2714	9GJ2SC2712	M	Transistor	AE
	Q2715	9GJ2SA1162	M	Chip TR	AF
	Q2716	9GJ2SC2712	M	Transistor	AE
	Q2717	9GJ2SC2712	M	Transistor	AE
	Q2718	9GJ2SC2712	M	Transistor	AE
	Q2719	9GJ2SC2712	M	Transistor	AE
	Q2801	9GJ2SC2712	M	Transistor	AE
	Q2802	9GJ2SC2712	M	Transistor	AE
	Q2803	9GJ2SC2712	M	Transistor	AE

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Mark	Ref. No.	Part No.	★	Description	Code
	Q2804	9GJ2SA1162	M	Chip TR	AF
	Q2805	9GJ2SA1162	M	Chip TR	AF
	Q2806	9GJ2SC2712	M	Transistor	AE
	Q2808	9GJ2SC2712	M	Transistor	AE
	Q2809	9GJ2SC2712	M	Transistor	AE
	Q2810	9GJ2SC2712	M	Transistor	AE

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D2201	9GJ1SS352	M	Diode(SMD)	AD
	D2202	9GJ1SS352	M	Diode(SMD)	AD
	D2203	9GJ1SS352	M	Diode(SMD)	AD
	D2204	9GJ1SS352	M	Diode(SMD)	AD
	D2205	9GJ1SS226	M	Diode	AD
	D2206	9GJRD6.8MB	M	Zener Diode	AD
	D2207	9GJ1SS226	M	Diode	AD
	D2208	9GJRD6.8MB	M	Zener Diode	AD
	D2209	9GJRD6.8MB	M	Zener Diode	AD
	D2210	9GJ1SS226	M	Diode	AD
	D2211	9GJ1SS226	M	Diode	AD
	D2212	9GJ1SS226	M	Diode	AD
	D2213	9GJ1SS226	M	Diode	AD
	D2214	9GJ1SS226	M	Diode	AD
	D2215	9GJ1SS226	M	Diode	AD
	D2216	9GJ1SS226	M	Diode	AD
	D2217	9GJ1SS226	M	Diode	AD
	D2218	9GJ1SS226	M	Diode	AD
	D2219	9GJ1SS226	M	Diode	AD
	D2220	9GJ1SS226	M	Diode	AD
	D2221	9GJ1SS226	M	Diode	AD
	D2222	9GJ1SS226	M	Diode	AD
	D2223	9GJ1SS226	M	Diode	AD
	D2224	9GJ1SS226	M	Diode	AD
	D2225	9GJ1SS226	M	Diode	AD
	D2226	9GJ1SS226	M	Diode	AD
	D2227	9GJ1SS226	M	Diode	AD
	D2228	9GJ1SS226	M	Diode	AD
	D2229	9GJ1SS226	M	Diode	AD
	D2230	9GJ1SS226	M	Diode	AD
	D2231	9GJ1SS226	M	Diode	AD
	D2232	9GJ1SS226	M	Diode	AD
	D2233	9GJ1SS226	M	Diode	AD
	D2234	9GJ1SS226	M	Diode	AD
	D2235	9GJ1SS226	M	Diode	AD
	D2236	9GJ1SS226	M	Diode	AD
	D2237	9GJ1SS226	M	Diode	AD
	D2238	9GJ1SS226	M	Diode	AD
	D2239	9GJ1SS226	M	Diode	AD
	D2240	9GJ1SS226	M	Diode	AD
	D2241	9GJ1SS226	M	Diode	AD
	D2242	9GJ1SS226	M	Diode	AD
	D2243	9GJ1SS226	M	Diode	AD
	D2244	9GJ1SS226	M	Diode	AD
	D2245	9GJ1SS226	M	Diode	AD
	D2246	9GJ1SS226	M	Diode	AD
	D2247	9GJ1SS226	M	Diode	AD
	D2248	9GJ1SS226	M	Diode	AD
	D2249	9GJ1SS226	M	Diode	AD
	D2250	9GJ1SS226	M	Diode	AD
	D2251	9GJ1SS226	M	Diode	AD
	D2252	9GJ1SS226	M	Diode	AD
	D2253	9GJ1SS226	M	Diode	AD
	D2254	9GJ1SS226	M	Diode	AD
	D2255	9GJ1SS226	M	Diode	AD
	D2256	9GJ1SS226	M	Diode	AD
	D2257	9GJ1SS226	M	Diode	AD
	D2258	9GJ1SS226	M	Diode	AD
	D2259	9GJ1SS226	M	Diode	AD
	D2260	9GJ1SS226	M	Diode	AD
	D2261	9GJRD15MB	M	Zener Diode	AD
	D2262	9GJ1SS226	M	Diode	AD
	D2263	9GJ1SS226	M	Diode	AD
	D2264	9GJ1SS226	M	Diode	AD
	D2265	9GJRD15MB	M	Zener Diode	AD
	D2266	9GJRD15MB	M	Zener Diode	AD
	D2267	9GJ1SS226	M	Diode	AD
	D2268	9GJ1SS226	M	Diode	AD
	D2269	9GJ1SS226	M	Diode	AD
	D2270	9GJ1SS226	M	Diode	AD
	D2271	9GJ1SS226	M	Diode	AD
	D2272	9GJ1SS226	M	Diode	AD
	D2273	9GJ1SS226	M	Diode	AD
	D2274	9GJ1SS226	M	Diode	AD
	D2275	9GJ1SS226	M	Diode	AD
	D2276	9GJ1SS226	M	Diode	AD
	D2277	9GJ1SS226	M	Diode	AD
	D2278	9GJ1SS226	M	Diode	AD
	D2279	9GJ1SS226	M	Diode	AD
	D2280	9GJ1SS226	M	Diode	AD
	D2281	9GJ1SS226	M	Diode	AD
	D2282	9GJ1SS226	M	Diode	AD
	D2283	9GJ1SS226	M	Diode	AD
	D2284	9GJ1SS226	M	Diode	AD
	D2285	9GJ1SS226	M	Diode	AD
	D2286	9GJ1SS226	M	Diode	AD
	D2287	9GJ1SS226	M	Diode	AD
	D2288	9GJ1SS226	M	Diode	AD
	D2289	9GJ1SS226	M	Diode	AD
	D2290	9GJ1SS226	M	Diode	AD
	D2291	9GJ1SS226	M	Diode	AD
	D2292	9GJ1SS226	M	Diode	AD
	D2293	9GJ1SS226	M	Diode	AD
	D2294	9GJ1SS226	M	Diode	AD
	D2295	9GJ1SS226	M	Diode	AD
	D2296	9GJ1SS226	M	Diode	AD
	D2297	9GJ1SS226	M	Diode	AD
	D2298	9GJRD6.8MB	M	Zener Diode	AD
	D2299	9GJ1SS226	M	Diode	AD
	D2300	9GJ1SS226	M	Diode	AD
	D2301	9GJRD6.8MB	M	Zener Diode	AD
	D2302	9GJRD6.8MB	M	Zener Diode	AD
	D2303	9GJ1SS352	M	Diode(SMD)	AD
	D2304	9GJ1SS352	M	Diode(SMD)	AD
	D2305	9GJRD6.8MB	M	Zener Diode	AD
	D2306	9GJ1SS226	M	Diode	AD
	D2307	9GJ1SS352	M	Diode(SMD)	AD
	D2308	9GJ1SS352	M	Diode(SMD)	AD
	D2309	9GJ1SS352	M	Diode(SMD)	AD
	D2310	9GJ1SS226	M	Diode	AD
	D2311	9GJ1SS226	M	Diode	AD
	D2312	9GJ1SS226	M	Diode	AD
	D2313	9GJ1SS184	M	Diode(SMD)	AC
	D2314	9GJ1SS184	M	Diode(SMD)	AC
	D2315	9GJ1SS184	M	Diode(SMD)	AC
	D2316	9GJRD6.8MB	M	Zener Diode	AD
	D2317	9GJRD6.8MB	M	Zener Diode	AD
	D2318	9GJ1SS352	M	Diode(SMD)	AD
	D2319	9GJ1SS352	M	Diode(SMD)	AD
	D2321	9GJ1SS226	M	Diode	AD
	D2323	9GJRD15MB	M	Zener Diode	AD
	D2325	9GJ1SS226	M	Diode	AD
	D2326	9GJ1SS226	M	Diode	AD
	D2327	9GJ1SS226	M	Diode	AD
	D2328	9GJ1SS226	M	Diode	AD
	D2329	9GJ1SS226	M	Diode	AD
	D2330	9GJ1SS226	M	Diode	AD
	D2331	9GJ1SS226	M	Diode	AD
	D2332	9GJ1SS226	M	Diode	AD
	D2333	9GJ1SS226	M	Diode	AD
	D2334	9GJ1SS226	M	Diode	AD
	D2335	9GJ1SS226	M	Diode	AD
	D2336	9GJ1SS226	M	Diode	AD
	D2337	9GJ1SS226	M	Diode	AD
	D2338	9GJ1SS226	M	Diode	AD
	D2339	9GJ1SS226	M	Diode	AD
	D2340	9GJ1SS226	M	Diode	AD
	D2341	9GJ1SS226	M	Diode	AD
	D2342	9GJ1SS226	M	Diode	AD

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Mark	Ref. No.	Part No.	★	Description	Code
	D2343	9GJ1SS226	M	Diode	AD
	D2703	9GJ1SS226	M	Diode	AD
	D2704	9GJ1SS226	M	Diode	AD
	D2705	9GJRD15MB	M	Zener Diode	AD
	D2706	9GJRD15MB	M	Zener Diode	AD
	D2707	9GJ1SS226	M	Diode	AD
	D2709	9GJUDZ33B	M	Chip Zener Diode	AD
	D2801	9GJ1SS226	M	Diode	AD
	D2802	9GJ1SS226	M	Diode	AD
	D2804	9GJUDZ33B	M	Chip Zener Diode	AD
	D2805	9GJ1SS226	M	Diode	AD

PACKAGED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	X2201	9GJASS1015	M	Ceramic Resonator	AK
	X2202	9GJASS1015	M	Ceramic Resonator	AK
	X2203	9GJASS1015	M	Ceramic Resonator	AK

COILS

Mark	Ref. No.	Part No.	★	Description	Code
	F2706	9GJVTF1097	M	Chip Solid Inductor	AC
	F2707	9GJVTF1097	M	Chip Solid Inductor	AC
	L2201	9GJATC1037	M	Coil	AH
	L2202	9GJATC1037	M	Coil	AH
	L2203	9GJLCTA8R2J322	M	Chip Coil	AD
	L2701	9GJLCTA2R2J322	M	Chip Coil	AE
	L2702	9GJLCTA2R2J322	M	Chip Coil	AE
	L2703	9GJLCTA2R2J322	M	Chip Coil	AE
	L2704	9GJLCTA2R2J322	M	Chip Coil	AE
	L2705	9GJLCTA2R2J322	M	Chip Coil	AE
	L2801	9GJLCTA2R2J322	M	Chip Coil	AE
	L2802	9GJLCTA2R2J322	M	Chip Coil	AE
	L2803	9GJLCTA2R2J322	M	Chip Coil	AE
	L2804	9GJLCTA2R2J322	M	Chip Coil	AE

CONTROLS

Mark	Ref. No.	Part No.	★	Description	Code
	VR2701	9GJACP1039-A	M	VR	AD
	VR2801	9GJACP1039-A	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C2201	9GJCEAT100M50	M	Elect.	AB
	C2202	9GJCEAT100M50	M	Elect.	AB
	C2203	9GJCEAT100M50	M	Elect.	AB
	C2204	9GJCEAT100M50	M	Elect.	AB
	C2205	9GJCKSQYF103Z5	M	Chip	AC
	C2206	9GJCEAT101M10	M	Elect.	AB
	C2207	9GJCEAT4R7M50	M	Elect.	AB
	C2208	9GJCEAT3R3M50	M	Elect.	AB
	C2209	9GJCKSQYF103Z5	M	Chip	AC
	C2210	9GJCKSQYF473Z5	M	Ceramic	AC
	C2211	9GJCEAT471M25	M	Elect.	AD
	C2212	9GJCEAT101M16	M	Elect.	AC
	C2213	9GJCKSQYF103Z5	M	Chip	AC
	C2214	9GJCFTXA105J50	M	Audio Film	AK
	C2215	9GJCEAT100M50	M	Elect.	AB
	C2216	9GJCEAT101M10	M	Elect.	AB
	C2217	9GJCKSQYF103Z5	M	Chip	AC
	C2218	9GJCEAT1R0M50	M	Elect.	AB
	C2219	9GJCCSQSL221J5	M	Chip	AH
	C2220	9GJCQMA102J50	M	Mylar Film	AD
	C2221	9GJCKSQYB561K5	M	Ceramic	AB
	C2222	9GJCEATR10M50	M	Elect.	AB
	C2223	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C2224	9GJCEAT101M10	M	Elect.	AB
	C2225	9GJCKSQYF103Z5	M	Chip	AC
	C2226	9GJCEAT1R0M50	M	Elect.	AB
	C2227	9GJCCSQSL221J5	M	Chip	AH
	C2228	9GJCQMA102J50	M	Mylar Film	AD
	C2229	9GJCKSQYB561K5	M	Ceramic	AB
	C2230	9GJCEATR10M50	M	Elect.	AB
	C2231	9GJCKSQYF103Z5	M	Chip	AC
	C2232	9GJCKSQYF102Z5	M	Ceramic	AB
	C2233	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C2234	9GJCEAT101M10	M	Elect.	AB
	C2235	9GJCKSQYF103Z5	M	Chip	AC
	C2236	9GJCEATR47M50	M	Elect.	AB
	C2237	9GJCCSQCH390J5	M	Chip	AC
	C2238	9GJCCSQCH120J5	M	Chip	AH
	C2239	9GJCEAT101M10	M	Elect.	AB
	C2240	9GJCKSQYF103Z5	M	Chip	AC
	C2241	9GJCEAT101M10	M	Elect.	AB
	C2242	9GJCKSQYF103Z5	M	Chip	AC
	C2243	9GJCKSQYF103Z5	M	Chip	AC
	C2244	9GJCKSQYF102Z5	M	Ceramic	AB
	C2245	9GJCEAT470M10	M	Elect.	AB
	C2246	9GJCKSQYF103Z5	M	Chip	AC
	C2247	9GJCKSQYF102Z5	M	Ceramic	AB
	C2248	9GJCKSQYF103Z5	M	Chip	AC
	C2249	9GJCEATR10M50	M	Elect.	AB
	C2250	9GJCCSQSL221J5	M	Chip	AH
	C2251	9GJCCSQSL221J5	M	Chip	AH
	C2252	9GJCEAT101M10	M	Elect.	AB
	C2253	9GJCKSQYF103Z5	M	Chip	AC
	C2254	9GJCEAT101M10	M	Elect.	AB
	C2255	9GJCKSQYF103Z5	M	Chip	AC
	C2256	9GJCFTXA105J50	M	Audio Film	AK
	C2257	9GJCFTXA105J50	M	Audio Film	AK
	C2258	9GJCEAT470M16	M	Elect.	AB
	C2259	9GJCKSQYF103Z5	M	Chip	AC
	C2260	9GJCEAT101M10	M	Elect.	AB
	C2261	9GJCKSQYF103Z5	M	Chip	AC
	C2262	9GJCEAT470M10	M	Elect.	AB
	C2263	9GJCKSQYF103Z5	M	Chip	AC
	C2264	9GJCEAT1R0M50	M	Elect.	AB
	C2265	9GJCEAT101M10	M	Elect.	AB
	C2282	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C2283	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C2284	9GJCKSQYF103Z5	M	Chip	AC
	C2701	9GJCEAT4R7M50	M	Elect.	AB
	C2702	9GJCEAT100M50	M	Elect.	AB
	C2703	9GJCEAT100M50	M	Elect.	AB
	C2704	9GJACH1129-A	M	Elect.	AD
	C2705	9GJCEAT1R0M50	M	Elect.	AB
	C2706	9GJCEAT4R7M50	M	Elect.	AB
	C2707	9GJCEAT4R7M50	M	Elect.	AB
	C2708	9GJCFTXA224J50	M	Audio Film	AE
	C2709	9GJCEAT1R0M50	M	Elect.	AB
	C2710	9GJACH1128-A	M	Elect.	AD
	C2711	9GJCEATR47M50	M	Elect.	AB
	C2712	9GJCQMA473J50	M	Mylar Film	AE
	C2713	9GJCQMA272J50	M	Mylar Film	AD
	C2714	9GJCEAT4R7M50	M	Elect.	AB
	C2715	9GJCEAT4R7M50	M	Elect.	AB
	C2716	9GJCEAT4R7M50	M	Elect.	AB
	C2717	9GJCEAT101M25	M	Elect.	AC
	C2718	9GJCEAT4R7M50	M	Elect.	AB
	C2719	9GJCKSQYF103Z5	M	Chip	AC
	C2720	9GJCEAT471M16	M	Elect.	AD
	C2721	9GJCEAT471M16	M	Elect.	AD
	C2722	9GJCKSQYF103Z5	M	Chip	AC
	C2723	9GJCEAT471M16	M	Elect.	AD
	C2724	9GJCKSQYF103Z5	M	Chip	AC
	C2725	9GJCEAT100M50	M	Elect.	AB
	C2726	9GJCKSQYF103Z5	M	Chip	AC
	C2727	9GJCCSQCH470J5	M	Chip	AC
	C2728	9GJCKSQYF102Z5	M	Ceramic	AB
	C2729	9GJCEAT100M50	M	Elect.	AB
	C2730	9GJCKSQYF103Z5	M	Chip	AC
	C2731	9GJCKSQYF103Z5	M	Chip	AC
	C2732	9GJCCSQCH101J5	M	Chip	AC
	C2734	9GJCKSQYF103Z5	M	Chip	AC
	C2735	9GJCEAT331M16	M	Elect.	AC
	C2736	9GJCKSQYF103Z5	M	Chip	AC
	C2737	9GJCEAT100M50	M	Elect.	AB
	C2738	9GJCEAT100M50	M	Elect.	AB
	C2739	9GJCKSQYF103Z5	M	Chip	AC
	C2740	9GJCEAT100M50	M	Elect.	AB
	C2741	9GJCEAT100M50	M	Elect.	AB

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TUNER µ-COM ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C2744	9GJCEAT100M50	M	Elect.	AB
	C2745	9GJCKSQYF103Z5	M	Chip	AC
	C2746	9GJCEAT100M50	M	Elect.	AB
	C2747	9GJCEAT100M50	M	Elect.	AB
	C2748	9GJCKSQYF102Z5	M	Ceramic	AB
	C2801	9GJCEAT471M16	M	Elect.	AD
	C2802	9GJCEAT100M50	M	Elect.	AB
	C2803	9GJCEAT100M50	M	Elect.	AB
	C2804	9GJCEAT100M50	M	Elect.	AB
	C2805	9GJCKSQYF103Z5	M	Chip	AC
	C2806	9GJCKSQYF103Z5	M	Chip	AC
	C2807	9GJCKSQYF102Z5	M	Ceramic	AB
	C2808	9GJCEAT471M16	M	Elect.	AD
	C2809	9GJCKSQYF103Z5	M	Chip	AC
	C2810	9GJCEAT471M16	M	Elect.	AD
	C2811	9GJCCSQSL470J5	M	Chip	AH
	C2812	9GJCKSQYF102Z5	M	Ceramic	AB
	C2814	9GJCEAT331M16	M	Elect.	AC
	C2815	9GJCEAT100M50	M	Elect.	AB
	C2816	9GJCKSQYF103Z5	M	Chip	AC
	C2817	9GJCKSQYF103Z5	M	Chip	AC
	C2818	9GJCEAT100M50	M	Elect.	AB
	C2819	9GJCKSQYF103Z5	M	Chip	AC
	C2821	9GJCEAT100M50	M	Elect.	AB
	C2822	9GJCCSQCH101J5	M	Chip	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R2201	9GJRS1/16S223J	M	Chip	AA
	R2202	9GJRS1/16S223J	M	Chip	AA
	R2203	9GJRS1/16S223J	M	Chip	AA
	R2204	9GJRS1/16S103J	M	Chip	AA
	R2205	9GJRS1/16S223J	M	Chip	AA
	R2206	9GJRS1/16S223J	M	Chip	AA
	R2207	9GJRS1/16S223J	M	Chip	AA
	R2208	9GJRS1/16S103J	M	Chip	AA
	R2209	9GJRS1/16S223J	M	Chip	AA
	R2210	9GJRS1/16S223J	M	Chip	AA
	R2211	9GJRS1/16S223J	M	Chip	AA
	R2212	9GJRS1/16S332J	M	Chip	AA
	R2213	9GJRS1/16S221J	M	Chip	AA
	R2214	9GJRS1/16S221J	M	Chip	AA
	R2215	9GJRS1/16S221J	M	Chip	AA
	R2216	9GJRS1/16S223J	M	Chip	AA
	R2217	9GJRS1/16S223J	M	Chip	AA
	R2218	9GJRS1/16S223J	M	Chip	AA
	R2219	9GJRS1/16S332J	M	Chip	AA
	R2220	9GJRS1/16S221J	M	Chip	AA
	R2221	9GJRS1/16S101J	M	Chip	AA
	R2222	9GJRS1/16S472J	M	Chip	AA
	R2223	9GJRS1/16S392J	M	Chip	AB
	R2224	9GJRS1/16S683J	M	Chip	AA
	R2225	9GJRS1/16S103J	M	Chip	AA
	R2226	9GJRS1/16S104J	M	Chip	AA
	R2227	9GJRS1/16S224J	M	Chip	AA
	R2228	9GJRS1/16S101J	M	Chip	AA
	R2229	9GJRS1/16S103J	M	Chip	AA
	R2230	9GJRS1/16S102J	M	Chip	AA
	R2231	9GJRS1/16S472J	M	Chip	AA
	R2232	9GJRS1/16S472J	M	Chip	AA
	R2233	9GJRS1/16S153J	M	Chip	AB
	R2234	9GJRS1/16S102J	M	Chip	AA
	R2235	9GJRS1/16S0R0J	M	Chip	AA
	R2236	9GJRS1MMF3R9J	M	Metal Oxide	AC
	R2237	9GJRS1/16S102J	M	Chip	AA
	R2238	9GJRS1/16S472J	M	Chip	AA
	R2239	9GJRS1/16S104J	M	Chip	AA
	R2240	9GJRS1/16S103J	M	Chip	AA
	R2241	9GJRS1/16S332J	M	Chip	AA
	R2242	9GJRS1/16S222J	M	Chip	AA
	R2243	9GJRS1/16S103J	M	Chip	AA
	R2244	9GJRS1/16S155J	M	Chip	AD
	R2245	9GJRS1/16S221J	M	Chip	AA
	R2246	9GJRS1/16S183J	M	Chip	AB
	R2247	9GJRS1/16S333J	M	Chip	AA
	R2248	9GJRS1/16S273J	M	Chip	AA
	R2249	9GJRS1/16S223J	M	Chip	AA
	R2250	9GJRS1/16S223J	M	Chip	AA
	R2251	9GJRS1/16S223J	M	Chip	AA
	R2252	9GJRS1/16S332J	M	Chip	AA
	R2253	9GJRS1/16S221J	M	Chip	AA
	R2254	9GJRS1/16S102J	M	Chip	AA
	R2255	9GJRS1/16S153J	M	Chip	AB
	R2256	9GJRS1/16S471J	M	Chip	AA
	R2257	9GJRS1/16S105J	M	Chip	AA
	R2258	9GJRS1/16S101J	M	Chip	AA
	R2259	9GJRS1/16S102J	M	Chip	AA
	R2260	9GJRS1/16S153J	M	Chip	AB
	R2261	9GJRS1/16S471J	M	Chip	AA
	R2262	9GJRS1/16S105J	M	Chip	AA
	R2263	9GJRS1/16S102J	M	Chip	AA
	R2264	9GJRS1/16S101J	M	Chip	AA
	R2265	9GJRS1/16S101J	M	Chip	AA
	R2266	9GJRS1/16S101J	M	Chip	AA
	R2267	9GJRS1/16S101J	M	Chip	AA
	R2268	9GJRS1/16S101J	M	Chip	AA
	R2269	9GJRS1/16S101J	M	Chip	AA
	R2270	9GJRS1/16S101J	M	Chip	AA
	R2271	9GJRS1/16S101J	M	Chip	AA
	R2272	9GJRS1/16S101J	M	Chip	AA
	R2273	9GJRS1/16S101J	M	Chip	AA
	R2274	9GJRS1/16S101J	M	Chip	AA
	R2275	9GJRS1/16S101J	M	Chip	AA
	R2276	9GJRS1/16S101J	M	Chip	AA
	R2277	9GJRS1/16S101J	M	Chip	AA
	R2278	9GJRS1/16S101J	M	Chip	AA
	R2279	9GJRS1/16S101J	M	Chip	AA
	R2280	9GJRS1/16S103J	M	Chip	AA
	R2281	9GJRS1/16S103J	M	Chip	AA
	R2282	9GJRS1/16S102J	M	Chip	AA
	R2283	9GJRS1/16S221J	M	Chip	AA
	R2284	9GJRS1/16S101J	M	Chip	AA
	R2285	9GJRS1/16S101J	M	Chip	AA
	R2286	9GJRS1/16S101J	M	Chip	AA
	R2287	9GJRS1/16S221J	M	Chip	AA
	R2288	9GJRS1/16S103J	M	Chip	AA
	R2289	9GJRS1/16S101J	M	Chip	AA
	R2290	9GJRS1/16S101J	M	Chip	AA
	R2291	9GJRS1/16S101J	M	Chip	AA
	R2292	9GJRS1/16S101J	M	Chip	AA
	R2293	9GJRS1/16S103J	M	Chip	AA
	R2294	9GJRS1/16S101J	M	Chip	AA
	R2295	9GJRS1/16S101J	M	Chip	AA
	R2296	9GJRS1/16S101J	M	Chip	AA
	R2297	9GJRS1/16S101J	M	Chip	AA
	R2298	9GJRS1/16S103J	M	Chip	AA
	R2299	9GJRS1/16S101J	M	Chip	AA
	R2300	9GJRS1/16S101J	M	Chip	AA
	R2301	9GJRS1/16S102J	M	Chip	AA
	R2302	9GJRS1/16S101J	M	Chip	AA
	R2303	9GJRS1/16S101J	M	Chip	AA
	R2304	9GJRS1/16S101J	M	Chip	AA
	R2305	9GJRS1/16S101J	M	Chip	AA
	R2306	9GJRS1/16S101J	M	Chip	AA
	R2307	9GJRS1/16S103J	M	Chip	AA
	R2308	9GJRS1/16S101J	M	Chip	AA
	R2309	9GJRS1/16S101J	M	Chip	AA
	R2310	9GJRS1/16S101J	M	Chip	AA
	R2311	9GJRS1/16S101J	M	Chip	AA
	R2312	9GJRS1/16S272J	M	Chip	AB
	R2313	9GJRS1/16S101J	M	Chip	AA
	R2314	9GJRS1/16S103J	M	Chip	AA
	R2315	9GJRS1/16S101J	M	Chip	AA
	R2316	9GJRS1/16S272J	M	Chip	AB
	R2317	9GJRS1/16S101J	M	Chip	AA
	R2318	9GJRS1/16S101J	M	Chip	AA
	R2319	9GJRS1/16S101J	M	Chip	AA
	R2320	9GJRS1/16S101J	M	Chip	AA

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TUNER μ-COM ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R2321	9GJRS1/16S101J	M	Chip	AA
	R2322	9GJRS1/16S101J	M	Chip	AA
	R2323	9GJRS1/16S101J	M	Chip	AA
	R2324	9GJRS1/16S101J	M	Chip	AA
	R2325	9GJRS1/16S101J	M	Chip	AA
	R2326	9GJRS1/16S103J	M	Chip	AA
	R2327	9GJRS1/16S101J	M	Chip	AA
	R2328	9GJRS1/16S103J	M	Chip	AA
	R2329	9GJRS1/16S512J	M	Chip	AA
	R2330	9GJRS1/16S102J	M	Chip	AA
	R2331	9GJRS1/16S101J	M	Chip	AA
	R2332	9GJRS1/16S101J	M	Chip	AA
	R2333	9GJRS1/16S105J	M	Chip	AA
	R2334	9GJRS1/16S102J	M	Chip	AA
	R2335	9GJRS1/16S101J	M	Chip	AA
	R2336	9GJRS1/16S272J	M	Chip	AB
	R2337	9GJRS1/16S101J	M	Chip	AA
	R2338	9GJRS1/16S101J	M	Chip	AA
	R2339	9GJRS1/16S101J	M	Chip	AA
	R2340	9GJRS1/16S101J	M	Chip	AA
	R2341	9GJRS1/16S101J	M	Chip	AA
	R2342	9GJRS1/16S101J	M	Chip	AA
	R2343	9GJRS1/16S101J	M	Chip	AA
	R2344	9GJRS1/16S101J	M	Chip	AA
	R2345	9GJRS1/16S101J	M	Chip	AA
	R2346	9GJRS1/16S103J	M	Chip	AA
	R2347	9GJRS1/16S101J	M	Chip	AA
	R2348	9GJRS1/16S101J	M	Chip	AA
	R2349	9GJRS1/16S101J	M	Chip	AA
	R2350	9GJRS1/16S153J	M	Chip	AB
	R2351	9GJRS1/16S153J	M	Chip	AB
	R2352	9GJRS1/16S153J	M	Chip	AB
	R2353	9GJRS1/16S101J	M	Chip	AA
	R2354	9GJRS1/16S472J	M	Chip	AA
	R2355	9GJRS1/16S103J	M	Chip	AA
	R2356	9GJRS1/16S101J	M	Chip	AA
	R2357	9GJRS1/16S101J	M	Chip	AA
	R2358	9GJRS1/16S101J	M	Chip	AA
	R2359	9GJRS1/16S102J	M	Chip	AA
	R2360	9GJRS1/16S102J	M	Chip	AA
	R2361	9GJRS1/16S101J	M	Chip	AA
	R2362	9GJRS1/16S272J	M	Chip	AB
	R2363	9GJRS1/16S101J	M	Chip	AA
	R2364	9GJRS1/16S272J	M	Chip	AB
	R2365	9GJRS1/16S272J	M	Chip	AB
	R2366	9GJRS1/16S103J	M	Chip	AA
	R2367	9GJRS1/16S221J	M	Chip	AA
	R2368	9GJRS1/16S103J	M	Chip	AA
	R2369	9GJRS1/16S153J	M	Chip	AB
	R2370	9GJRS1/16S562J	M	Chip	AA
	R2371	9GJRS1/16S562J	M	Chip	AA
	R2372	9GJRS1/16S153J	M	Chip	AB
	R2373	9GJRS1/16S101J	M	Chip	AA
	R2374	9GJRS1/16S101J	M	Chip	AA
	R2375	9GJRS1/16S562J	M	Chip	AA
	R2376	9GJRS1/16S101J	M	Chip	AA
	R2377	9GJRS1/16S562J	M	Chip	AA
	R2378	9GJRS1/16S472J	M	Chip	AA
	R2379	9GJRS1/16S101J	M	Chip	AA
	R2380	9GJRS1/16S101J	M	Chip	AA
	R2381	9GJRS1/16S103J	M	Chip	AA
	R2382	9GJRS1/16S103J	M	Chip	AA
	R2383	9GJRS1/16S103J	M	Chip	AA
	R2384	9GJRS1/16S103J	M	Chip	AA
	R2385	9GJRS1/16S103J	M	Chip	AA
	R2386	9GJRS1/16S103J	M	Chip	AA
	R2387	9GJRS1/16S103J	M	Chip	AA
	R2388	9GJRS1/16S103J	M	Chip	AA
	R2389	9GJRS1/16S103J	M	Chip	AA
	R2390	9GJRS1/16S103J	M	Chip	AA
	R2391	9GJRS1/16S103J	M	Chip	AA
	R2392	9GJRS1/16S103J	M	Chip	AA
	R2393	9GJRS1/16S103J	M	Chip	AA
	R2394	9GJRS1/16S103J	M	Chip	AA
	R2395	9GJRS1/16S103J	M	Chip	AA
	R2396	9GJRS1/16S103J	M	Chip	AA
	R2397	9GJRS1/16S103J	M	Chip	AA
	R2398	9GJRS1/16S103J	M	Chip	AA
	R2399	9GJRS1/16S103J	M	Chip	AA
	R2400	9GJRS1/16S103J	M	Chip	AA
	R2401	9GJRS1/16S103J	M	Chip	AA
	R2402	9GJRS1/16S103J	M	Chip	AA
	R2403	9GJRS1/16S103J	M	Chip	AA
	R2404	9GJRS1/16S103J	M	Chip	AA
	R2405	9GJRS1/16S103J	M	Chip	AA
	R2406	9GJRS1/16S103J	M	Chip	AA
	R2407	9GJRS1/16S103J	M	Chip	AA
	R2408	9GJRS1/16S103J	M	Chip	AA
	R2409	9GJRS1/16S102J	M	Chip	AA
	R2410	9GJRS1/16S472J	M	Chip	AA
	R2411	9GJRS1/16S101J	M	Chip	AA
	R2412	9GJRS1/16S101J	M	Chip	AA
	R2413	9GJRS1/16S472J	M	Chip	AA
	R2414	9GJRS1/16S472J	M	Chip	AA
	R2415	9GJRS1/16S153J	M	Chip	AB
	R2416	9GJRS1/16S102J	M	Chip	AA
	R2417	9GJRS1/16S0R0J	M	Chip	AA
	R2418	9GJRS1/16S103J	M	Chip	AA
	R2419	9GJRS1/16S333J	M	Chip	AA
	R2420	9GJRS1/16S222J	M	Chip	AA
	R2421	9GJRS1/16S222J	M	Chip	AA
	R2422	9GJRS1/16S472J	M	Chip	AA
	R2423	9GJRS1/16S472J	M	Chip	AA
	R2424	9GJRS1MMF3R9J	M	Metal Oxide	AC
	R2425	9GJRS1/16S101J	M	Chip	AA
	R2426	9GJRS1/16S101J	M	Chip	AA
	R2427	9GJRS1/16S101J	M	Chip	AA
	R2428	9GJRS1/16S101J	M	Chip	AA
	R2429	9GJRS1/16S101J	M	Chip	AA
	R2430	9GJRS1/16S182J	M	Chip	AA
	R2431	9GJRS1/16S182J	M	Chip	AA
	R2432	9GJRS1/16S222J	M	Chip	AA
	R2433	9GJRS1/16S222J	M	Chip	AA
	R2434	9GJRS1/16S101J	M	Chip	AA
	R2435	9GJRS1/16S101J	M	Chip	AA
	R2436	9GJRS1/16S183J	M	Chip	AB
	R2437	9GJRS1/16S221J	M	Chip	AA
	R2438	9GJRS1/16S223J	M	Chip	AA
	R2439	9GJRS1/16S393J	M	Chip	AA
	R2440	9GJRS1/16S183J	M	Chip	AB
	R2441	9GJRS1/16S333J	M	Chip	AA
	R2442	9GJRS1/16S273J	M	Chip	AA
	R2443	9GJRS1/16S221J	M	Chip	AA
	R2444	9GJRS1/16S473J	M	Chip	AA
	R2445	9GJRS1/16S101J	M	Chip	AA
	R2446	9GJRS1/16S101J	M	Chip	AA
	R2447	9GJRS1/16S103J	M	Chip	AA
	R2448	9GJRS1/16S103J	M	Chip	AA
	R2449	9GJRS1/16S101J	M	Chip	AA
	R2450	9GJRS1/16S101J	M	Chip	AA
	R2451	9GJRS1/16S101J	M	Chip	AA
	R2452	9GJRS1/16S682J	M	Chip	AA
	R2453	9GJRS1/16S101J	M	Chip	AA
	R2454	9GJRS1/16S103J	M	Chip	AA
	R2455	9GJRS1/16S103J	M	Chip	AA
	R2456	9GJRS1/16S103J	M	Chip	AA
	R2457	9GJRS1/16S103J	M	Chip	AA
	R2458	9GJRS1/16S101J	M	Chip	AA
	R2459	9GJRS1/16S101J	M	Chip	AA
	R2460	9GJRS1/16S101J	M	Chip	AA
	R2461	9GJRS1/16S101J	M	Chip	AA
	R2462	9GJRS1/16S101J	M	Chip	AA
	R2464	9GJRS1/16S103J	M	Chip	AA
	R2465	9GJRS1/16S101J	M	Chip	AA
	R2466	9GJRS1/16S101J	M	Chip	AA
	R2467	9GJRS1/16S101J	M	Chip	AA
	R2468	9GJRS1/16S101J	M	Chip	AA
	R2469	9GJRS1/16S101J	M	Chip	AA

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TUNER µ-COM ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R2470	9GJRS1/16S101J	M	Chip	AA
	R2471	9GJRS1/16S101J	M	Chip	AA
	R2472	9GJRS1/16S101J	M	Chip	AA
	R2473	9GJRS1/16S101J	M	Chip	AA
	R2474	9GJRS1/16S823J	M	Chip	AA
	R2475	9GJRS1/16S223J	M	Chip	AA
	R2476	9GJRS1/16S221J	M	Chip	AA
	R2477	9GJRS1/16S183J	M	Chip	AB
	R2478	9GJRS1/16S473J	M	Chip	AA
	R2479	9GJRS1/16S153J	M	Chip	AB
	R2480	9GJRS1/16S103J	M	Chip	AA
	R2481	9GJRS1/16S103J	M	Chip	AA
	R2484	9GJRS1/16S103J	M	Chip	AA
	R2485	9GJRS1/16S101J	M	Chip	AA
	R2486	9GJRS1/16S103J	M	Chip	AA
	R2488	9GJRS1/16S103J	M	Chip	AA
	R2489	9GJRS1/16S101J	M	Chip	AA
	R2490	9GJRS1/16S101J	M	Chip	AA
	R2491	9GJRS1/16S103J	M	Chip	AA
	R2492	9GJRS1/16S103J	M	Chip	AA
	R2493	9GJRS1/16S101J	M	Chip	AA
	R2495	9GJRS1/16S101J	M	Chip	AA
	R2496	9GJRS1/16S101J	M	Chip	AA
	R2497	9GJRS1/16S101J	M	Chip	AA
	R2498	9GJRS1/16S103J	M	Chip	AA
	R2499	9GJRS1/16S101J	M	Chip	AA
	R2500	9GJRS1/16S101J	M	Chip	AA
	R2501	9GJRS1/16S103J	M	Chip	AA
	R2502	9GJRS1/16S103J	M	Chip	AA
	R2503	9GJRS1/16S103J	M	Chip	AA
	R2504	9GJRS1/16S332J	M	Chip	AA
	R2505	9GJRS1/16S103J	M	Chip	AA
	R2506	9GJRS1/16S103J	M	Chip	AA
	R2507	9GJRS1/16S103J	M	Chip	AA
	R2508	9GJRS1/16S103J	M	Chip	AA
	R2509	9GJRS1/16S103J	M	Chip	AA
	R2510	9GJRS1/16S221J	M	Chip	AA
	R2511	9GJRS1/16S102J	M	Chip	AA
	R2512	9GJRS1/16S103J	M	Chip	AA
	R2513	9GJRS1/16S101J	M	Chip	AA
	R2514	9GJRS1/16S101J	M	Chip	AA
	R2516	9GJRS1/16S223J	M	Chip	AA
	R2517	9GJRS1/16S223J	M	Chip	AA
	R2518	9GJRS1/16S223J	M	Chip	AA
	R2519	9GJRS1/16S223J	M	Chip	AA
	R2520	9GJRS1/16S0R0J	M	Chip	AA
	R2521	9GJRS1/16S0R0J	M	Chip	AA
	R2522	9GJRS1/16S101J	M	Chip	AA
	R2523	9GJRS1/16S101J	M	Chip	AA
	R2524	9GJRS1/16S101J	M	Chip	AA
	R2525	9GJRS1/16S101J	M	Chip	AA
	R2526	9GJRS1/16S101J	M	Chip	AA
	R2527	9GJRS1/16S101J	M	Chip	AA
	R2528	9GJRS1/16S101J	M	Chip	AA
	R2529	9GJRS1/16S103J	M	Chip	AA
	R2530	9GJRS1/16S103J	M	Chip	AA
	R2531	9GJRS1/16S0R0J	M	Chip	AA
	R2532	9GJRS1/16S0R0J	M	Chip	AA
	R2534	9GJRS1/16S0R0J	M	Chip	AA
	R2535	9GJRS1/16S101J	M	Chip	AA
	R2536	9GJRS1/16S332J	M	Chip	AA
	R2537	9GJRS1/16S182J	M	Chip	AA
	R2538	9GJRS1/16S332J	M	Chip	AA
	R2539	9GJRS1/16S182J	M	Chip	AA
	R2540	9GJRS1/16S332J	M	Chip	AA
	R2541	9GJRS1/16S182J	M	Chip	AA
	R2542	9GJRS1/16S101J	M	Chip	AA
	R2543	9GJRS1/16S101J	M	Chip	AA
	R2544	9GJRS1/16S101J	M	Chip	AA
	R2545	9GJRS1/16S101J	M	Chip	AA
	R2546	9GJRS1/16S272J	M	Chip	AB
	R2547	9GJRS1/16S272J	M	Chip	AB
	R2550	9GJRN16SE3001D	M	Chip Metal Film	AB
	R2551	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2552	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2553	9GJRN16SE3001D	M	Chip Metal Film	AB
	R2554	9GJRS1/16S103J	M	Chip	AA
	R2555	9GJRS1/16S103J	M	Chip	AA
	R2556	9GJRS1/16S472J	M	Chip	AA
	R2557	9GJRS1/16S472J	M	Chip	AA
	R2558	9GJRS1/16S103J	M	Chip	AA
	R2561	9GJRS1/16S471J	M	Chip	AA
	R2562	9GJRS1/16S101J	M	Chip	AA
	R2563	9GJRS1/16S471J	M	Chip	AA
	R2564	9GJRS1/16S101J	M	Chip	AA
	R2565	9GJRS1/16S471J	M	Chip	AA
	R2566	9GJRS1/16S101J	M	Chip	AA
	R2567	9GJRS1/16S222J	M	Chip	AA
	R2568	9GJRS1/16S101J	M	Chip	AA
	R2573	9GJRS1/16S0R0J	M	Chip	AA
	R2612	9GJRS1/16S0R0J	M	Chip	AA
	R2701	9GJRS1/16S101J	M	Chip	AA
	R2702	9GJRS1/16S272J	M	Chip	AB
	R2703	9GJRS1/16S681J	M	Chip	AA
	R2704	9GJRS1/16S221J	M	Chip	AA
	R2705	9GJRS1/16S272J	M	Chip	AB
	R2706	9GJRS1/16S681J	M	Chip	AA
	R2707	9GJRS1/16S123J	M	Chip	AA
	R2708	9GJRS1/16S183J	M	Chip	AB
	R2709	9GJRS1/16S221J	M	Chip	AA
	R2710	9GJRS1/16S221J	M	Chip	AA
	R2711	9GJRS1/16S221J	M	Chip	AA
	R2712	9GJRS1/16S471J	M	Chip	AA
	R2713	9GJRS1/16S471J	M	Chip	AA
	R2714	9GJRS1/16S433J	M	Chip	AA
	R2715	9GJRS1/16S623J	M	Chip	AB
	R2716	9GJRS1/16S392J	M	Chip	AB
	R2717	9GJRS1/16S222J	M	Chip	AA
	R2718	9GJRS1/16S204J	M	Chip	AA
	R2719	9GJRS1/16S471J	M	Chip	AA
	R2720	9GJRS1/16S221J	M	Chip	AA
	R2721	9GJRS1/16S221J	M	Chip	AA
	R2722	9GJRS1/16S682J	M	Chip	AA
	R2723	9GJRS1/16S221J	M	Chip	AA
	R2724	9GJRS1/16S152J	M	Chip	AA
	R2725	9GJRS1/16S561J	M	Chip	AA
	R2726	9GJRS1/16S562J	M	Chip	AA
	R2727	9GJRS1/16S153J	M	Chip	AB
	R2728	9GJRS1/16S183J	M	Chip	AB
	R2729	9GJRS1/16S223J	M	Chip	AA
	R2730	9GJRS1/16S221J	M	Chip	AA
	R2731	9GJRS1/16S102J	M	Chip	AA
	R2732	9GJRS1/16S332J	M	Chip	AA
	R2733	9GJRS1/16S302J	M	Chip	AD
	R2734	9GJRS1/16S472J	M	Chip	AA
	R2735	9GJRS1/16S221J	M	Chip	AA
	R2736	9GJRS1/16S102J	M	Chip	AA
	R2737	9GJRS1/16S102J	M	Chip	AA
	R2739	9GJRS1/16S183J	M	Chip	AB
	R2740	9GJRS1/16S393J	M	Chip	AA
	R2741	9GJRS1/16S103J	M	Chip	AA
	R2742	9GJRS1/16S103J	M	Chip	AA
	R2743	9GJRS1/16S332J	M	Chip	AA
	R2744	9GJRS1/16S101J	M	Chip	AA
	R2745	9GJRS1/16S101J	M	Chip	AA
	R2747	9GJRS1/16S221J	M	Chip	AA
	R2748	9GJRS1/16S332J	M	Chip	AA
	R2749	9GJRS1/16S103J	M	Chip	AA
	R2750	9GJRS1/16S101J	M	Chip	AA
	R2751	9GJRS1/16S101J	M	Chip	AA
	R2752	9GJRS1/16S101J	M	Chip	AA
	R2754	9GJRS1/16S332J	M	Chip	AA
	R2755	9GJRS1/16S393J	M	Chip	AA
	R2756	9GJRS1/16S182J	M	Chip	AA
	R2757	9GJRS1/16S101J	M	Chip	AA
	R2758	9GJRS1/10S0R0J	M	Chip	AB
	R2759	9GJRS1/16S101J	M	Chip	AA
	R2761	9GJRS1/16S471J	M	Chip	AA

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TUNER μ-COM ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R2762	9GJRS3LMF332J	M	Metal Oxide	AE
	R2763	9GJRD12MMF271J	M	Carbon Film	AB
	R2764	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2765	9GJRS1/16S101J	M	Chip	AA
	R2766	9GJRS1/16S183J	M	Chip	AB
	R2767	9GJRS1/16S101J	M	Chip	AA
	R2768	9GJRS1/16S103J	M	Chip	AA
	R2770	9GJRS1/10S0R0J	M	Chip	AB
	R2771	9GJRN16SE6201D	M	Metal Film	AB
	R2772	9GJRN16SE3001D	M	Chip Metal Film	AB
	R2773	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2774	9GJRS1/16S473J	M	Chip	AA
	R2775	9GJRS1/16S223J	M	Chip	AA
	R2776	9GJRS1/16S223J	M	Chip	AA
	R2777	9GJRS1/16S223J	M	Chip	AA
	R2778	9GJRS1/16S223J	M	Chip	AA
	R2779	9GJRS1/16S221J	M	Chip	AA
	R2780	9GJRS1/16S221J	M	Chip	AA
	R2781	9GJRS1/16S221J	M	Chip	AA
	R2782	9GJRS1/16S332J	M	Chip	AA
	R2783	9GJRS1/10S0R0J	M	Chip	AB
	R2784	9GJRS1/16S223J	M	Chip	AA
	R2785	9GJRS1/16S223J	M	Chip	AA
	R2786	9GJRS1/16S103J	M	Chip	AA
	R2787	9GJRS1/16S223J	M	Chip	AA
	R2788	9GJRS1/16S393J	M	Chip	AA
	R2789	9GJRS1/16S393J	M	Chip	AA
	R2801	9GJRS1/16S221J	M	Chip	AA
	R2802	9GJRS1/16S221J	M	Chip	AA
	R2803	9GJRS1/16S681J	M	Chip	AA
	R2804	9GJRS1/16S681J	M	Chip	AA
	R2805	9GJRS1/16S471J	M	Chip	AA
	R2806	9GJRS1/16S183J	M	Chip	AB
	R2807	9GJRS1/16S123J	M	Chip	AA
	R2808	9GJRS1/16S182J	M	Chip	AA
	R2809	9GJRS1/16S221J	M	Chip	AA
	R2810	9GJRS1/16S561J	M	Chip	AA
	R2811	9GJRS1/16S153J	M	Chip	AB
	R2812	9GJRS1/16S152J	M	Chip	AA
	R2813	9GJRS1/16S562J	M	Chip	AA
	R2814	9GJRS1/16S183J	M	Chip	AB
	R2815	9GJRS1/16S223J	M	Chip	AA
	R2816	9GJRS1/16S102J	M	Chip	AA
	R2817	9GJRS1/16S221J	M	Chip	AA
	R2818	9GJRS1/16S272J	M	Chip	AB
	R2819	9GJRS1/16S101J	M	Chip	AA
	R2820	9GJRS1/16S682J	M	Chip	AA
	R2821	9GJRS1/16S221J	M	Chip	AA
	R2822	9GJRS1/16S221J	M	Chip	AA
	R2823	9GJRS1/16S272J	M	Chip	AB
	R2825	9GJRS1/10S0R0J	M	Chip	AB
	R2826	9GJRS1/10S0R0J	M	Chip	AB
	R2827	9GJRS1/16S183J	M	Chip	AB
	R2828	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2829	9GJRS1/16S101J	M	Chip	AA
	R2830	9GJRD12MMF271J	M	Carbon Film	AB
	R2831	9GJRD14MUF332J	M	Carbon Film	AB
	R2832	9GJRS1/16S101J	M	Chip	AA
	R2833	9GJRS1/16S101J	M	Chip	AA
	R2834	9GJRN16SE6201D	M	Metal Film	AB
	R2835	9GJRS1/16S221J	M	Chip	AA
	R2836	9GJRN16SE3001D	M	Chip Metal Film	AB
	R2837	9GJRN16SE1001D	M	Chip Metal Film	AA
	R2838	9GJRS1/16S472J	M	Chip	AA
	R2839	9GJRS1/16S221J	M	Chip	AA
	R2840	9GJRS1/16S102J	M	Chip	AA
	R2841	9GJRS1/16S102J	M	Chip	AA
	R2842	9GJRS1/16S183J	M	Chip	AB
	R2843	9GJRS1/16S101J	M	Chip	AA
	R2844	9GJRS1/16S182J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
NSP	CN2201	9GJKM250MA6LB	–	Plug, 6-pin	—
	CN2202	9GJAKM1155	M	Plug, 44-pin	AQ
	CN2203	9GJAKM1154	M	Plug, 32-pin	AN
	CN2204	9GJKM250MA10L	M	L-Plug, 10-pin	AE
	CN2205	9GJKM250MA4L	M	Plug, 4-pin	AC
	CN2206	9GJKM250MA8LB	M	L-Plug, 8-pin	AE
	CN2207	9GJKM250MA4LB	M	Plug, 4-pin	AD
NSP	CN2208	9GJKM250MA7L	–	Plug, 7-pin	—
	CN2209	9GJKM250MA8LR	M	L-Plug, 8-pin	AE
NSP	CN2210	9GJAKH1021	–	IC Connector	—
	CN2213	9GJKM250MA3LR	M	Plug, 3-pin	AC
	2704	9GJADE1171	M	Plug Cord	AP
	2705	9GJADE1171	M	Plug Cord	AP

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VIDEO ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC5251	9GJTA1276AN	M	TV IC	BG
	IC5252	9GJTC74HC4538P	M	Logic IC	AN
	IC5253	9GJTC74HC4053P	M	Analog Switch	AP
	IC5254	9GJCXA1315P	M	8Bit D/A	AT
	IC5255	9GJMC14577CP	M	Video Amp IC	AM
	IC5601	9GJNJM7805FA	M	Regulator IC	AM
	IC5602	9GJNJM7805FA	M	Regulator IC	AM
	IC5603	9GJNJM7809FA	M	Regulator IC	AH
	IC5604	9GJNJM7809FA	M	Regulator IC	AH
	IC5605	9GJTC74HC4066P	M	Logic IC	AK

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q5251	9GJ2SA933S	M	Transistor	AD
	Q5252	9GJ2SA933S	M	Transistor	AD
	Q5253	9GJ2SA933S	M	Transistor	AD
	Q5254	9GJ2SA933S	M	Transistor	AD
	Q5255	9GJ2SA933S	M	Transistor	AD
	Q5256	9GJ2SC1740S	M	Transistor	AD
	Q5257	9GJ2SC1740S	M	Transistor	AD
	Q5259	9GJ2SC1740S	M	Transistor	AD
	Q5260	9GJ2SA933S	M	Transistor	AD
	Q5261	9GJ2SA933S	M	Transistor	AD
	Q5262	9GJ2SA933S	M	Transistor	AD
	Q5263	9GJ2SA933S	M	Transistor	AD
	Q5264	9GJ2SA933S	M	Transistor	AD
	Q5265	9GJ2SC1740S	M	Transistor	AD
	Q5266	9GJ2SA933S	M	Transistor	AD
	Q5267	9GJ2SC2235	M	Transistor	AK
	Q5268	9GJ2SA933S	M	Transistor	AD
	Q5269	9GJ2SC2235	M	Transistor	AK
	Q5270	9GJ2SA933S	M	Transistor	AD
	Q5271	9GJ2SC2235	M	Transistor	AK
	Q5272	9GJ2SC1740S	M	Transistor	AD
	Q5273	9GJ2SC1740S	M	Transistor	AD
	Q5274	9GJ2SC1740S	M	Transistor	AD
	Q5275	9GJ2SC1740S	M	Transistor	AD
	Q5276	9GJ2SA933S	M	Transistor	AD
	Q5277	9GJ2SA933S	M	Transistor	AD
	Q5278	9GJ2SC1740S	M	Transistor	AD
	Q5279	9GJ2SC1740S	M	Transistor	AD
	Q5280	9GJ2SC1740S	M	Transistor	AD
	Q5281	9GJ2SC1740S	M	Transistor	AD
	Q5282	9GJ2SC1740S	M	Transistor	AD
	Q5283	9GJ2SC1740S	M	Transistor	AD
	Q5284	9GJ2SC1740S	M	Transistor	AD
	Q5285	9GJ2SA933S	M	Transistor	AD
	Q5286	9GJ2SA933S	M	Transistor	AD
	Q5287	9GJ2SA933S	M	Transistor	AD
	Q5288	9GJ2SC1740S	M	Transistor	AD
	Q5289	9GJ2SC1740S	M	Transistor	AD
	Q5290	9GJ2SA933S	M	Transistor	AD
	Q5291	9GJ2SA933S	M	Transistor	AD
	Q5292	9GJ2SA933S	M	Transistor	AD
	Q5293	9GJ2SA933S	M	Transistor	AD
	Q5294	9GJ2SA933S	M	Transistor	AD
	Q5295	9GJ2SA933S	M	Transistor	AD
	Q5296	9GJ2SA933S	M	Transistor	AD
	Q5297	9GJ2SC1740S	M	Transistor	AD
	Q5298	9GJ2SC1740S	M	Transistor	AD
	Q5299	9GJ2SC1740S	M	Transistor	AD
	Q5301	9GJ2SA933S	M	Transistor	AD
	Q5302	9GJ2SC1740S	M	Transistor	AD
	Q5305	9GJ2SA933S	M	Transistor	AD
	Q5306	9GJ2SA933S	M	Transistor	AD
	Q5307	9GJ2SC1740S	M	Transistor	AD
	Q5308	9GJ2SC1740S	M	Transistor	AD
	Q5309	9GJ2SC1740S	M	Transistor	AD
	Q5310	9GJ2SC1740S	M	Transistor	AD
	Q5313	9GJ2SC1740S	M	Transistor	AD
	Q5314	9GJ2SA933S	M	Transistor	AD
	Q5315	9GJ2SC1740S	M	Transistor	AD
	Q5316	9GJ2SC1740S	M	Transistor	AD
	Q5317	9GJ2SC1740S	M	Transistor	AD
	Q5318	9GJ2SA933S	M	Transistor	AD
	Q5319	9GJ2SC1740S	M	Transistor	AD
	Q5320	9GJ2SC1740S	M	Transistor	AD
	Q5601	9GJ2SD880	M	Transistor	AM
	Q5602	9GJ2SC1740S	M	Transistor	AD
	Q5603	9GJ2SC1740S	M	Transistor	AD
	Q5604	9GJ2SA933S	M	Transistor	AD
	Q5605	9GJ2SC1740S	M	Transistor	AD
	Q5606	9GJ2SC1740S	M	Transistor	AD
	Q5607	9GJ2SC1740S	M	Transistor	AD
	Q5608	9GJ2SA933S	M	Transistor	AD
	Q5609	9GJ2SA933S	M	Transistor	AD
	Q5610	9GJ2SC1740S	M	Transistor	AD
	Q5611	9GJ2SK117	M	N-FET	AK
	Q5612	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5251	9GJ1SS254	M	Diode	AC
	D5252	9GJ1SS254	M	Diode	AC
	D5253	9GJ1SS254	M	Diode	AC
	D5254	9GJ1SS254	M	Diode	AC
	D5255	9GJ1SS254	M	Diode	AC
	D5256	9GJ1SS254	M	Diode	AC
	D5257	9GJ1SS254	M	Diode	AC
	D5258	9GJ1SS254	M	Diode	AC
	D5259	9GJ1SS254	M	Diode	AC
	D5260	9GJ1SS254	M	Diode	AC
	D5261	9GJ1SS254	M	Diode	AC
	D5262	9GJ1SS254	M	Diode	AC
	D5263	9GJ1SS254	M	Diode	AC
	D5264	9GJ1SS254	M	Diode	AC
	D5265	9GJ1SS254	M	Diode	AC
	D5266	9GJ1SS254	M	Diode	AC
	D5267	9GJ1SS254	M	Diode	AC
	D5268	9GJ1SS254	M	Diode	AC
	D5269	9GJ1SS254	M	Diode	AC
	D5270	9GJ1SS254	M	Diode	AC
	D5271	9GJ1SS254	M	Diode	AC
	D5272	9GJ1SS254	M	Diode	AC
	D5273	9GJ1SS254	M	Diode	AC
	D5274	9GJ1SS254	M	Diode	AC
	D5275	9GJ1SS254	M	Diode	AC
	D5276	9GJ1SS254	M	Diode	AC
	D5277	9GJ1SS254	M	Diode	AC
	D5278	9GJ1SS254	M	Diode	AC
	D5279	9GJ1SS254	M	Diode	AC
	D5280	9GJ1SS254	M	Diode	AC
	D5281	9GJ1SS254	M	Diode	AC
	D5282	9GJ1SS254	M	Diode	AC
	D5283	9GJ1SS254	M	Diode	AC
	D5284	9GJS5688G	M	Diode	AC
	D5285	9GJS5688G	M	Diode	AC
	D5286	9GJS5688G	M	Diode	AC
	D5287	9GJS5688G	M	Diode	AC
	D5288	9GJS5688G	M	Diode	AC
	D5289	9GJS5688G	M	Diode	AC
	D5290	9GJS5688G	M	Diode	AC
	D5291	9GJS5688G	M	Diode	AC
	D5292	9GJS5688G	M	Diode	AC
	D5293	9GJ1SS254	M	Diode	AC
	D5294	9GJ1SS254	M	Diode	AC
	D5295	9GJ1SS254	M	Diode	AC
	D5296	9GJ1SS254	M	Diode	AC
	D5297	9GJ1SS254	M	Diode	AC
	D5298	9GJMTZJ11	M	Zener Diode	AB
	D5299	9GJMTZJ11	M	Zener Diode	AB
	D5300	9GJMTZJ11	M	Zener Diode	AB
	D5301	9GJMTZJ11	M	Zener Diode	AB
	D5302	9GJMTZJ11	M	Zener Diode	AB
	D5303	9GJMTZJ11	M	Zener Diode	AB
	D5304	9GJMTZJ11	M	Zener Diode	AB
	D5305	9GJMTZJ11	M	Zener Diode	AB

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VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	D5306	9GJMTZJ11	M	Zener Diode	AB
	D5307	9GJ1SS254	M	Diode	AC
	D5308	9GJ1SS254	M	Diode	AC
	D5309	9GJ1SS254	M	Diode	AC
	D5310	9GJ1SS254	M	Diode	AC
	D5311	9GJ1SS254	M	Diode	AC
	D5312	9GJ1SS254	M	Diode	AC
	D5314	9GJ1SS254	M	Diode	AC
	D5315	9GJ1SS254	M	Diode	AC
	D5316	9GJ1SS254	M	Diode	AC
	D5317	9GJ1SS254	M	Diode	AC
	D5318	9GJ1SS254	M	Diode	AC
	D5319	9GJ1SS254	M	Diode	AC
	D5320	9GJMTZJ11	M	Zener Diode	AB
	D5321	9GJMTZJ11	M	Zener Diode	AB
	D5322	9GJMTZJ11	M	Zener Diode	AB
	D5323	9GJMTZJ11	M	Zener Diode	AB
	D5324	9GJMTZJ11	M	Zener Diode	AB
	D5325	9GJMTZJ11	M	Zener Diode	AB
	D5326	9GJMTZJ11	M	Zener Diode	AB
	D5327	9GJMTZJ11	M	Zener Diode	AB
	D5328	9GJMTZJ11	M	Zener Diode	AB
	D5329	9GJ1SS254	M	Diode	AC
	D5330	9GJ1SS254	M	Diode	AC
	D5331	9GJ1SS254	M	Diode	AC
	D5332	9GJ1SS254	M	Diode	AC
	D5333	9GJ1SS254	M	Diode	AC
	D5334	9GJ1SS254	M	Diode	AC
	D5335	9GJ1SS254	M	Diode	AC
	D5336	9GJ1SS254	M	Diode	AC
	D5337	9GJ1SS254	M	Diode	AC
	D5338	9GJ1SS254	M	Diode	AC
	D5339	9GJ1SS254	M	Diode	AC
	D5340	9GJ1SS254	M	Diode	AC
	D5341	9GJ1SS254	M	Diode	AC
	D5342	9GJ1SS254	M	Diode	AC
	D5343	9GJ1SS254	M	Diode	AC
	D5344	9GJ1SS254	M	Diode	AC
	D5345	9GJ1SS254	M	Diode	AC
	D5346	9GJ1SS254	M	Diode	AC
	D5347	9GJ1SS254	M	Diode	AC
	D5348	9GJ1SS254	M	Diode	AC
	D5349	9GJ1SS254	M	Diode	AC
	D5350	9GJ1SS254	M	Diode	AC
	D5351	9GJ1SS254	M	Diode	AC
	D5352	9GJ1SS254	M	Diode	AC
	D5353	9GJ1SS254	M	Diode	AC
	D5354	9GJ1SS254	M	Diode	AC
	D5355	9GJ1SS254	M	Diode	AC
	D5356	9GJ1SS254	M	Diode	AC
	D5601	9GJ1SS254	M	Diode	AC
	D5602	9GJ1SS254	M	Diode	AC
	D5603	9GJ1SS254	M	Diode	AC
	D5604	9GJ1SS254	M	Diode	AC
	D5605	9GJ1SS254	M	Diode	AC
	D5606	9GJ1SS254	M	Diode	AC
	D5607	9GJ1SS254	M	Diode	AC
	D5608	9GJ1SS254	M	Diode	AC
	D5609	9GJ1SS254	M	Diode	AC
	D5610	9GJ1SS254	M	Diode	AC
	D5611	9GJ1SS254	M	Diode	AC
	D5612	9GJ1SS254	M	Diode	AC
	D5613	9GJ1SS254	M	Diode	AC
	D5614	9GJ1SS254	M	Diode	AC
	D5615	9GJ1SS254	M	Diode	AC
	D5616	9GJ1SS254	M	Diode	AC
	D5617	9GJ1SS254	M	Diode	AC
	D5618	9GJ1SS254	M	Diode	AC
	D5619	9GJMTZJ11	M	Zener Diode	AB
	D5620	9GJMTZJ15	M	Zener Diode	AB
	D5621	9GJMTZJ11	M	Zener Diode	AB
	D5623	9GJ1SS254	M	Diode	AC
	D5624	9GJ1SS254	M	Diode	AC
	D5625	9GJ1SS254	M	Diode	AC
	D5626	9GJ1SS254	M	Diode	AC
	D5627	9GJ1SS254	M	Diode	AC
	D5628	9GJ1SS254	M	Diode	AC
	D5629	9GJ1SS254	M	Diode	AC
	D5630	9GJ1SS254	M	Diode	AC
	D5631	9GJ1SS254	M	Diode	AC
	D5632	9GJ1SS254	M	Diode	AC
	D5633	9GJ1SS254	M	Diode	AC
	D5634	9GJ1SS254	M	Diode	AC
	D5635	9GJ1SS254	M	Diode	AC
	D5636	9GJ1SS254	M	Diode	AC
	D5637	9GJ1SS254	M	Diode	AC
	D5638	9GJ1SS254	M	Diode	AC
	D5639	9GJ1SS254	M	Diode	AC
	D5640	9GJ1SS254	M	Diode	AC
	D5641	9GJ1SS254	M	Diode	AC
	D5642	9GJ1SS254	M	Diode	AC
	D5643	9GJ1SS254	M	Diode	AC
	D5644	9GJ1SS254	M	Diode	AC
	D5645	9GJ1SS254	M	Diode	AC
	D5646	9GJ1SS254	M	Diode	AC
	D5647	9GJ1SS254	M	Diode	AC
	D5648	9GJ1SS254	M	Diode	AC
	D5649	9GJ1SS254	M	Diode	AC
	D5650	9GJ1SS254	M	Diode	AC
	D5651	9GJ1SS254	M	Diode	AC
	D5652	9GJ1SS254	M	Diode	AC
	D5653	9GJ1SS254	M	Diode	AC
	D5654	9GJ1SS254	M	Diode	AC
	D5655	9GJ1SS254	M	Diode	AC
	D5656	9GJ1SS254	M	Diode	AC
	D5657	9GJ1SS254	M	Diode	AC
	D5658	9GJ1SS254	M	Diode	AC
	D5659	9GJMTZJ11	M	Zener Diode	AB
	D5666	9GJMTZJ11	M	Zener Diode	AB
	D5667	9GJ1SS254	M	Diode	AC
	D5668	9GJ1SS254	M	Diode	AC
	D5673	9GJ1SS254	M	Diode	AC
	D5674	9GJ1SS254	M	Diode	AC
	D5675	9GJ1SS254	M	Diode	AC
	D5676	9GJ1SS254	M	Diode	AC
	D5677	9GJ1SS254	M	Diode	AC
	D5678	9GJ1SS254	M	Diode	AC
	D5679	9GJ1SS254	M	Diode	AC
	D5680	9GJ1SS254	M	Diode	AC
	D5681	9GJ1SS254	M	Diode	AC
	D5682	9GJMTZJ12C	M	Zener Diode	AB
	D5688	9GJ1SS254	M	Diode	AC
	D5689	9GJ1SS254	M	Diode	AC
	D5692	9GJ1SS254	M	Diode	AC
	D5693	9GJ1SS254	M	Diode	AC

COILS

Mark	Ref. No.	Part No.	★	Description	Code
	L5251	9GJLAU100J	M	Axial Inductor	AD
	L5252	9GJLAU4R7J	M	Axial Inductor	AD
	L5253	9GJLAU1R0K	M	Axial Inductor	AD
	L5601	9GJATX1008-A	M	Ferrite Bead	AD
	L5602	9GJATH-059	M	Coil	AG
	L5603	9GJATH-059	M	Coil	AG
	L5604	9GJATH-059	M	Coil	AG
	L5605	9GJATH-059	M	Coil	AG
	L5606	9GJLAU220J	M	Axial Inductor	AD

CONTROLS

Mark	Ref. No.	Part No.	★	Description	Code
	VR5251	9GJVRTHS6VS223	M	VR	AD
	VR5252	9GJVRTHS6VS223	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5251	9GJCEAT101M10	M	Elect.	AB
	C5252	9GJCKCYF103Z50	M	Ceramic	AB
	C5253	9GJCQMA103J50	M	Mylar Film	AE
	C5254	9GJCKCYF103Z50	M	Ceramic	AB
	C5255	9GJCEAT101M10	M	Elect.	AB

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Mark	Ref. No.	Part No.	★	Description	Code
	C5256	9GJCQMA103J50	M	Mylar Film	AE
	C5257	9GJCEATR10M50	M	Elect.	AB
	C5258	9GJCEATR10M50	M	Elect.	AB
	C5259	9GJCCCCH271J50	M	Ceramic	AC
	C5260	9GJCQPA271J2A	M	PL.Propytene	AD
	C5261	9GJCEAT101M10	M	Elect.	AB
	C5262	9GJCKCYF103Z50	M	Ceramic	AB
	C5263	9GJCQMA104J50	M	Mylar Film	AF
	C5264	9GJCQMA104J50	M	Mylar Film	AF
	C5265	9GJCQMA104J50	M	Mylar Film	AF
	C5266	9GJCQMA104J50	M	Mylar Film	AF
	C5267	9GJCQMA104J50	M	Mylar Film	AF
	C5268	9GJCQMA104J50	M	Mylar Film	AF
	C5269	9GJCEAT100M50	M	Elect.	AB
	C5270	9GJCEAT221M10	M	Elect.	AC
	C5271	9GJCEATR10M50	M	Elect.	AB
	C5272	9GJCEAT2R2M50	M	Elect.	AB
	C5273	9GJCEATR10M50	M	Elect.	AB
	C5274	9GJCEAT1R0M50	M	Elect.	AB
	C5275	9GJCQMA104J50	M	Mylar Film	AF
	C5276	9GJCQMA104J50	M	Mylar Film	AF
	C5277	9GJCQMA104J50	M	Mylar Film	AF
	C5278	9GJCKCYF103Z50	M	Ceramic	AB
	C5281	9GJCEAT100M50	M	Elect.	AB
	C5282	9GJCEAT100M50	M	Elect.	AB
	C5283	9GJCEAS6R8M50	M	Elect.	AD
	C5284	9GJCEATR10M50	M	Elect.	AB
	C5285	9GJCEAT4R7M50	M	Elect.	AB
	C5286	9GJCEATR47M50	M	Elect.	AB
	C5287	9GJCCCSL560J50	M	Ceramic	AB
	C5288	9GJCCCSL220J50	M	Ceramic	AB
	C5289	9GJCKCYF103Z50	M	Ceramic	AB
	C5290	9GJCEAT101M25	M	Elect.	AC
	C5292	9GJCEAT470M25	M	Elect.	AC
	C5293	9GJCKCYF103Z50	M	Ceramic	AB
	C5294	9GJCKCYF103Z50	M	Ceramic	AB
	C5295	9GJCCCSL2R0C50	M	Ceramic	AA
	C5296	9GJCCCSL151J50	M	Ceramic	AB
	C5297	9GJCEAT100M50	M	Elect.	AB
	C5298	9GJCCCCH4R0C50	M	Ceramic	AB
	C5299	9GJCCCCH4R0C50	M	Ceramic	AB
	C5300	9GJCQPA223J2A	M	PL. Propytene	AD
	C5301	9GJCEAT220M50	M	Elect.	AC
	C5302	9GJCEAT220M50	M	Elect.	AC
	C5303	9GJCEAT220M50	M	Elect.	AC
	C5304	9GJCEAT220M50	M	Elect.	AC
	C5305	9GJCEAT101M10	M	Elect.	AB
	C5306	9GJCKCYF103Z50	M	Ceramic	AB
	C5309	9GJCEAT221M25	M	Elect.	AC
	C5310	9GJCKCYF103Z50	M	Ceramic	AB
	C5311	9GJCKCYF103Z50	M	Ceramic	AB
	C5312	9GJCEAT101M10	M	Elect.	AB
	C5313	9GJCKCYF103Z50	M	Ceramic	AB
	C5314	9GJCEAT101M10	M	Elect.	AB
	C5316	9GJCKCYF103Z50	M	Ceramic	AB
	C5317	9GJCKCYF103Z50	M	Ceramic	AB
	C5318	9GJCKCYF103Z50	M	Ceramic	AB
	C5319	9GJCEAT221M16	M	Elect.	AC
	C5320	9GJCKCYF103Z50	M	Ceramic	AB
	C5321	9GJCEAT100M50	M	Elect.	AB
	C5322	9GJCCCSL180J50	M	Ceramic	AB
	C5323	9GJCQPA103J2A	M	PL. Propytene	AD
	C5324	9GJCEAT101M10	M	Elect.	AB
	C5325	9GJCKCYF103Z50	M	Ceramic	AB
	C5326	9GJCEAT101M10	M	Elect.	AB
	C5327	9GJCKCYF103Z50	M	Ceramic	AB
	C5328	9GJCEAT101M10	M	Elect.	AB
	C5329	9GJCCCSL330J50	M	Ceramic	AB
	C5330	9GJCCCSL330J50	M	Ceramic	AB
	C5331	9GJCEAT220M50	M	Elect.	AC
	C5332	9GJCCCSL150J50	M	Ceramic	AB
	C5334	9GJCCCSL180J50	M	Ceramic	AB
	C5335	9GJCKCYB391K50	M	Ceramic	AB
	C5336	9GJCEAT100M50	M	Elect.	AB
	C5337	9GJCCCSL560J50	M	Ceramic	AB
	C5338	9GJCCCSL560J50	M	Ceramic	AB
	C5601	9GJCEAT102M10	M	Elect.	AD
	C5602	9GJCKCYF103Z50	M	Ceramic	AB
	C5603	9GJCEAT101M10	M	Elect.	AB
	C5604	9GJCKCYF103Z50	M	Ceramic	AB
	C5605	9GJCEAT101M10	M	Elect.	AB
	C5606	9GJCKCYF103Z50	M	Ceramic	AB
	C5607	9GJCEAT471M10	M	Elect.	AC
	C5608	9GJCEAT471M10	M	Elect.	AC
	C5609	9GJCKCYF103Z50	M	Ceramic	AB
	C5610	9GJCKCYF103Z50	M	Ceramic	AB
	C5611	9GJCKCYF103Z50	M	Ceramic	AB
	C5612	9GJCKCYF103Z50	M	Ceramic	AB
	C5613	9GJCEAT470M16	M	Elect.	AB
	C5614	9GJCKCYF103Z50	M	Ceramic	AB
	C5615	9GJCEAT222M16	M	Elect.	AD
	C5616	9GJCKCYF103Z50	M	Ceramic	AB
	C5617	9GJCKCYF103Z50	M	Ceramic	AB
	C5618	9GJCEAT471M16	M	Elect.	AD
	C5619	9GJCEAT222M16	M	Elect.	AD
	C5620	9GJCEAT101M16	M	Elect.	AC
	C5621	9GJCKCYF103Z50	M	Ceramic	AB
	C5622	9GJCEAT471M16	M	Elect.	AD
	C5623	9GJCEAT101M25	M	Elect.	AC
	C5624	9GJCEAT101M25	M	Elect.	AC
	C5625	9GJCEAT220M50	M	Elect.	AC
	C5626	9GJCKCYF103Z50	M	Ceramic	AB
	C5627	9GJCEAT4R7M50	M	Elect.	AB
	C5628	9GJCEAT220M50	M	Elect.	AC
	C5629	9GJCCCSL101J50	M	Ceramic	AB
	C5631	9GJCKCYF103Z50	M	Ceramic	AB
	C5632	9GJCEAT470M25	M	Elect.	AC
	C5633	9GJCKCYF103Z50	M	Ceramic	AB
	C5634	9GJCEAT470M25	M	Elect.	AC
	C5635	9GJCKCYF103Z50	M	Ceramic	AB
	C5636	9GJCCCSL221J50	M	Ceramic	AB
	C5637	9GJCCCCH330J50	M	Ceramic	AB
	C5638	9GJCCCCH221J50	M	Ceramic	AD

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5251	9GJRD1/4PU101J	M	Carbon Film	AA
	R5252	9GJRD1/4PU101J	M	Carbon Film	AA
	R5253	9GJRD1/4PU101J	M	Carbon Film	AA
	R5254	9GJRD1/4PU101J	M	Carbon Film	AA
	R5255	9GJRD1/4PU101J	M	Carbon Film	AA
	R5256	9GJRD1/4PU101J	M	Carbon Film	AA
	R5257	9GJRD1/4PU472J	M	Carbon Film	AA
	R5258	9GJRD1/4PU101J	M	Carbon Film	AA
	R5259	9GJRD1/4PU101J	M	Carbon Film	AA
	R5260	9GJRD1/4PU472J	M	Carbon Film	AA
	R5261	9GJRD1/4PU101J	M	Carbon Film	AA
	R5262	9GJRD1/4PU101J	M	Carbon Film	AA
	R5263	9GJRD1/4PU101J	M	Carbon Film	AA
	R5264	9GJRD1/4PU101J	M	Carbon Film	AA
	R5265	9GJRD1/4PU124J	M	Carbon Film	AA
	R5266	9GJRD1/4PU273J	M	Carbon Film	AA
	R5267	9GJRD1/4PU472J	M	Carbon Film	AA
	R5268	9GJRD1/4PU153J	M	Carbon Film	AA
	R5269	9GJRD1/4PU153J	M	Carbon Film	AA
	R5270	9GJRD1/4PU393J	M	Carbon Film	AA
	R5271	9GJRD1/4PU393J	M	Carbon Film	AA
	R5272	9GJRD1/4PU134J	M	Carbon Film	AA
	R5273	9GJRD1/4PU473J	M	Carbon Film	AA
	R5274	9GJRD1/4PU101J	M	Carbon Film	AA
	R5275	9GJRD1/4PU101J	M	Carbon Film	AA
	R5276	9GJRD1/4PU101J	M	Carbon Film	AA
	R5277	9GJRD1/4PU911J	M	Carbon Film	AA
	R5278	9GJRD1/4PU392J	M	Carbon Film	AA
	R5279	9GJRD1/4PU392J	M	Carbon Film	AA
	R5280	9GJRD1/4PU392J	M	Carbon Film	AA
	R5281	9GJRD1/4PU102J	M	Carbon Film	AA
	R5282	9GJRD1/4PU102J	M	Carbon Film	AA

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Mark	Ref. No.	Part No.	★	Description	Code
	R5283	9GJRD1/4PU101J	M	Carbon Film	AA
	R5284	9GJRD1/4PU101J	M	Carbon Film	AA
	R5285	9GJRD1/2PM101J	M	Carbon Film	AB
	R5286	9GJRD1/2PM101J	M	Carbon Film	AB
	R5287	9GJRD1/2PM101J	M	Carbon Film	AB
	R5288	9GJRD1/4PU101J	M	Carbon Film	AA
	R5289	9GJRD1/4PU103J	M	Carbon Film	AA
	R5290	9GJRD1/4PU182J	M	Carbon Film	AA
	R5291	9GJRD1/4PU182J	M	Carbon Film	AA
	R5292	9GJRD1/4PU101J	M	Carbon Film	AA
	R5293	9GJRD1/4PU332J	M	Carbon Film	AA
	R5294	9GJRN14PC8200F	M	Metal Film	AB
	R5295	9GJRN14PC3301F	M	Metal Film	AB
	R5296	9GJRD1/4PU332J	M	Carbon Film	AA
	R5297	9GJRN14PC1202F	M	Metal Film	AB
	R5298	9GJRN14PC2201F	M	Metal Film	AB
	R5299	9GJRD1/4PU101J	M	Carbon Film	AA
	R5300	9GJRD1/4PU821J	M	Carbon Film	AA
	R5301	9GJRD1/4PU152J	M	Carbon Film	AA
	R5302	9GJRD1/4PU751J	M	Carbon Film	AA
	R5303	9GJRD1/4PU152J	M	Carbon Film	AA
	R5304	9GJRD1/4PU182J	M	Carbon Film	AA
	R5305	9GJRD1/4PU751J	M	Carbon Film	AA
	R5306	9GJRD1/4PU562J	M	Carbon Film	AA
	R5307	9GJRD1/4PU391J	M	Carbon Film	AA
	R5308	9GJRD1/4PU562J	M	Carbon Film	AA
	R5309	9GJRD1/4PU124J	M	Carbon Film	AA
	R5310	9GJRD1/4PU913J	M	Carbon Film	AA
	R5311	9GJRD1/4PU364J	M	Carbon Film	AA
	R5313	9GJRD1/4PU102J	M	Carbon Film	AA
	R5315	9GJRD1/4PU101J	M	Carbon Film	AA
	R5316	9GJRD1/4PU223J	M	Carbon Film	AA
	R5317	9GJRD1/2PM100J	M	Carbon Film	AC
	R5318	9GJRD1/4PU103J	M	Carbon Film	AA
	R5319	9GJRD1/2PM100J	M	Carbon Film	AC
	R5320	9GJRD1/4PU332J	M	Carbon Film	AA
	R5321	9GJRD1/2PM100J	M	Carbon Film	AC
	R5322	9GJRD1/4PU101J	M	Carbon Film	AA
	R5323	9GJRD1/2PM821J	M	Carbon Film	AB
	R5324	9GJRD1/4PU103J	M	Carbon Film	AA
	R5325	9GJRD1/4PU103J	M	Carbon Film	AA
	R5326	9GJRD1/2PM100J	M	Carbon Film	AC
	R5327	9GJRD1/4PU101J	M	Carbon Film	AA
	R5328	9GJRD1/2PM821J	M	Carbon Film	AB
	R5329	9GJRD1/4PU103J	M	Carbon Film	AA
	R5330	9GJRD1/4PU103J	M	Carbon Film	AA
	R5331	9GJRD1/2PM100J	M	Carbon Film	AC
	R5332	9GJRD1/4PU101J	M	Carbon Film	AA
	R5333	9GJRD1/2PM821J	M	Carbon Film	AB
	R5334	9GJRD1/4PU103J	M	Carbon Film	AA
	R5335	9GJRD1/4PU103J	M	Carbon Film	AA
	R5336	9GJRD1/2PM100J	M	Carbon Film	AC
	R5337	9GJRD1/4PU101J	M	Carbon Film	AA
	R5338	9GJRD1/4PU122J	M	Carbon Film	AA
	R5339	9GJRD1/4PU101J	M	Carbon Film	AA
	R5340	9GJRD1/4PU101J	M	Carbon Film	AA
	R5341	9GJRD1/4PU122J	M	Carbon Film	AA
	R5342	9GJRD1/4PU122J	M	Carbon Film	AA
	R5343	9GJRD1/4PU113J	M	Carbon Film	AA
	R5344	9GJRD1/4PU562J	M	Carbon Film	AA
	R5345	9GJRD1/4PU303J	M	Carbon Film	AA
	R5346	9GJRD1/4PU122J	M	Carbon Film	AA
	R5347	9GJRD1/4PU332J	M	Carbon Film	AA
	R5348	9GJRD1/4PU104J	M	Carbon Film	AA
	R5349	9GJRD1/4PU333J	M	Carbon Film	AA
	R5350	9GJRD1/4PU101J	M	Carbon Film	AA
	R5351	9GJRD1/4PU102J	M	Carbon Film	AA
	R5352	9GJRD1/4PU333J	M	Carbon Film	AA
	R5353	9GJRD1/4PU333J	M	Carbon Film	AA
	R5354	9GJRD1/4PU333J	M	Carbon Film	AA
	R5355	9GJRD1/4PU103J	M	Carbon Film	AA
	R5356	9GJRD1/4PU103J	M	Carbon Film	AA
	R5357	9GJRD1/4PU102J	M	Carbon Film	AA
	R5358	9GJRD1/4PU221J	M	Carbon Film	AA
	R5359	9GJRD1/4PU273J	M	Carbon Film	AA
	R5360	9GJRD1/4PU103J	M	Carbon Film	AA
	R5362	9GJRD1/4PU912J	M	Carbon Film	AA
	R5363	9GJRD1/4PU103J	M	Carbon Film	AA
	R5364	9GJRD1/4PU562J	M	Carbon Film	AA
	R5365	9GJRD1/4PU101J	M	Carbon Film	AA
	R5366	9GJRD1/4PU103J	M	Carbon Film	AA
	R5367	9GJRD1/4PU563J	M	Carbon Film	AA
	R5368	9GJRD1/4PU101J	M	Carbon Film	AA
	R5369	9GJRD1/4PU101J	M	Carbon Film	AA
	R5370	9GJRD1/4PU101J	M	Carbon Film	AA
	R5371	9GJRD1/4PU332J	M	Carbon Film	AA
	R5372	9GJRD1/4PU682J	M	Carbon Film	AA
	R5373	9GJRD1/4PU562J	M	Carbon Film	AA
	R5374	9GJRS1MMF3R9J	M	Metal Oxide	AC
	R5375	9GJRD1/4PU101J	M	Carbon Film	AA
	R5376	9GJRD1/4PU222J	M	Carbon Film	AA
	R5377	9GJRD1/4PU101J	M	Carbon Film	AA
	R5378	9GJRD1/4PU101J	M	Carbon Film	AA
	R5379	9GJRD1/4PU101J	M	Carbon Film	AA
	R5380	9GJRD1/4PU101J	M	Carbon Film	AA
	R5381	9GJRD1/4PU101J	M	Carbon Film	AA
	R5382	9GJRD1/4PU272J	M	Carbon Film	AA
	R5383	9GJRD1/4PU272J	M	Carbon Film	AA
	R5384	9GJRD1/4PU272J	M	Carbon Film	AA
	R5385	9GJRD1/4PU472J	M	Carbon Film	AA
	R5386	9GJRD1/4PU152J	M	Carbon Film	AA
	R5387	9GJRD1/4PU101J	M	Carbon Film	AA
	R5388	9GJRD1/4PU101J	M	Carbon Film	AA
	R5389	9GJRD1/4PU822J	M	Carbon Film	AA
	R5390	9GJRD1/4PU223J	M	Carbon Film	AA
	R5391	9GJRD1/4PU103J	M	Carbon Film	AA
	R5403	9GJRD1/4PU101J	M	Carbon Film	AA
	R5404	9GJRD1/4PU682J	M	Carbon Film	AA
	R5405	9GJRD1/4PU101J	M	Carbon Film	AA
	R5406	9GJRD1/4PU101J	M	Carbon Film	AA
	R5407	9GJRD1/4PU682J	M	Carbon Film	AA
	R5408	9GJRD1/4PU682J	M	Carbon Film	AA
	R5409	9GJRD1/4PU102J	M	Carbon Film	AA
	R5410	9GJRD1/4PU303J	M	Carbon Film	AA
	R5411	9GJRD1/4PU392J	M	Carbon Film	AA
	R5412	9GJRD1/4PU102J	M	Carbon Film	AA
	R5413	9GJRD1/4PU112J	M	Carbon Film	AA
	R5414	9GJRD1/4PU303J	M	Carbon Film	AA
	R5415	9GJRD1/4PU392J	M	Carbon Film	AA
	R5416	9GJRD1/4PU303J	M	Carbon Film	AA
	R5417	9GJRD1/4PU392J	M	Carbon Film	AA
	R5418	9GJRD1/4PU472J	M	Carbon Film	AA
	R5419	9GJRD1/4PU472J	M	Carbon Film	AA
	R5420	9GJRD1/4PU472J	M	Carbon Film	AA
	R5421	9GJRD1/4PU101J	M	Carbon Film	AA
	R5422	9GJRD1/4PU101J	M	Carbon Film	AA
	R5423	9GJRD1/4PU101J	M	Carbon Film	AA
	R5424	9GJRD1/4PU101J	M	Carbon Film	AA
	R5425	9GJRD1/4PU101J	M	Carbon Film	AA
	R5426	9GJRD1/4PU101J	M	Carbon Film	AA
	R5427	9GJRD1/4PU101J	M	Carbon Film	AA
	R5428	9GJRD1/4PU101J	M	Carbon Film	AA
	R5429	9GJRD1/4PU222J	M	Carbon Film	AA
	R5430	9GJRD1/4PU222J	M	Carbon Film	AA
	R5431	9GJRD1/4PU222J	M	Carbon Film	AA
	R5432	9GJRD1/4PU101J	M	Carbon Film	AA
	R5433	9GJRD1/4PU101J	M	Carbon Film	AA
	R5434	9GJRD1/4PU101J	M	Carbon Film	AA
	R5435	9GJRD1/4PU123J	M	Carbon Film	AA
	R5436	9GJRD1/4PU472J	M	Carbon Film	AA
	R5437	9GJRD1/4PU332J	M	Carbon Film	AA
	R5438	9GJRD1/4PU101J	M	Carbon Film	AA
	R5439	9GJRD1/4PU101J	M	Carbon Film	AA
	R5440	9GJRD1/4PU101J	M	Carbon Film	AA
	R5441	9GJRD1/4PU101J	M	Carbon Film	AA
	R5442	9GJRD1/4PU101J	M	Carbon Film	AA
	R5443	9GJRD1/4PU101J	M	Carbon Film	AA
	R5444	9GJRD1/4PU101J	M	Carbon Film	AA

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VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R5445	9GJRD1/4PU101J	M	Carbon Film	AA
	R5446	9GJRD1/4PU101J	M	Carbon Film	AA
	R5447	9GJRD1/4PU101J	M	Carbon Film	AA
	R5448	9GJRD1/4PU101J	M	Carbon Film	AA
	R5449	9GJRD1/4PU223J	M	Carbon Film	AA
	R5450	9GJRD1/4PU223J	M	Carbon Film	AA
	R5451	9GJRD1/4PU102J	M	Carbon Film	AA
	R5452	9GJRD1/4PU223J	M	Carbon Film	AA
	R5453	9GJRD1/4PU223J	M	Carbon Film	AA
	R5454	9GJRD1/4PU101J	M	Carbon Film	AA
	R5455	9GJRD1/4PU103J	M	Carbon Film	AA
	R5456	9GJRD1/4PU332J	M	Carbon Film	AA
	R5457	9GJRD1/4PU101J	M	Carbon Film	AA
	R5458	9GJRD1/4PU222J	M	Carbon Film	AA
	R5459	9GJRD1/4PU223J	M	Carbon Film	AA
	R5460	9GJRD1/4PU223J	M	Carbon Film	AA
	R5465	9GJRD1/4PU272J	M	Carbon Film	AA
	R5466	9GJRD1/4PU101J	M	Carbon Film	AA
	R5467	9GJRD1/4PU101J	M	Carbon Film	AA
	R5468	9GJRD1/4PU332J	M	Carbon Film	AA
	R5469	9GJRD1/4PU153J	M	Carbon Film	AA
	R5470	9GJRD1/4PU153J	M	Carbon Film	AA
	R5471	9GJRD1/4PU101J	M	Carbon Film	AA
	R5472	9GJRD1/4PU681J	M	Carbon Film	AA
	R5473	9GJRD1/4PU102J	M	Carbon Film	AA
	R5474	9GJRD1/4PU103J	M	Carbon Film	AA
	R5475	9GJRD1/4PU104J	M	Carbon Film	AA
	R5476	9GJRD1/4PU473J	M	Carbon Film	AA
	R5477	9GJRD1/4PU103J	M	Carbon Film	AA
	R5478	9GJRD1/4PU223J	M	Carbon Film	AA
	R5479	9GJRD1/4PU103J	M	Carbon Film	AA
	R5480	9GJRD1/4PU472J	M	Carbon Film	AA
	R5484	9GJRD1/4PU473J	M	Carbon Film	AA
	R5485	9GJRD1/4PU223J	M	Carbon Film	AA
	R5486	9GJRD1/4PU102J	M	Carbon Film	AA
	R5487	9GJRD1/4PU101J	M	Carbon Film	AA
	R5490	9GJRD1/4PU101J	M	Carbon Film	AA
	R5491	9GJRD1/4PU272J	M	Carbon Film	AA
	R5492	9GJRD1/4PU562J	M	Carbon Film	AA
	R5493	9GJRD1/4PU562J	M	Carbon Film	AA
	R5494	9GJRD1/4PU123J	M	Carbon Film	AA
	R5495	9GJRD1/4PU562J	M	Carbon Film	AA
	R5496	9GJRD1/4PU302J	M	Carbon Film	AA
	R5497	9GJRD1/4PU102J	M	Carbon Film	AA
	R5498	9GJRD1/4PU272J	M	Carbon Film	AA
	R5499	9GJRD1/4PU103J	M	Carbon Film	AA
	R5500	9GJRD1/4PU103J	M	Carbon Film	AA
	R5501	9GJRD1/4PU242J	M	Carbon Film	AA
	R5502	9GJRD1/4PU103J	M	Carbon Film	AA
	R5503	9GJRD1/4PU103J	M	Carbon Film	AA
	R5504	9GJRD1/4PU162J	M	Carbon Film	AA
	R5505	9GJRD1/4PU562J	M	Carbon Film	AA
	R5506	9GJRD1/4PU562J	M	Carbon Film	AA
	R5507	9GJRD1/4PU562J	M	Carbon Film	AA
	R5508	9GJRD1/4PU103J	M	Carbon Film	AA
	R5509	9GJRD1/4PU682J	M	Carbon Film	AA
	R5510	9GJRD1/4PU332J	M	Carbon Film	AA
	R5511	9GJRD1/4PU101J	M	Carbon Film	AA
	R5512	9GJRD1/4PU101J	M	Carbon Film	AA
	R5513	9GJRD1/4PU332J	M	Carbon Film	AA
	R5514	9GJRD1/4PU562J	M	Carbon Film	AA
	R5515	9GJRD1/4PU272J	M	Carbon Film	AA
	R5516	9GJRD1/4PU471J	M	Carbon Film	AA
	R5517	9GJRD1/4PU243J	M	Carbon Film	AA
	R5518	9GJRD1/4PU223J	M	Carbon Film	AA
	R5519	9GJRD1/4PU512J	M	Carbon Film	AA
	R5520	9GJRD1/4PU563J	M	Carbon Film	AA
	R5521	9GJRD1/4PU563J	M	Carbon Film	AA
	R5522	9GJRD1/4PU220J	M	Carbon Film	AA
	R5523	9GJRD1/4PU680J	M	Carbon Film	AA
	R5524	9GJRD1/4PU472J	M	Carbon Film	AA
	R5525	9GJRD1/4PU153J	M	Carbon Film	AA
	R5526	9GJRD1/4PU103J	M	Carbon Film	AA
	R5601	9GJRS3LMF5R6J	M	Metal Oxide	AD
	R5602	9GJRD12MMF1R5J	M	Carbon Film	AC
	R5604	9GJRD1/4PU101J	M	Carbon Film	AA
	R5605	9GJRD1/4PU101J	M	Carbon Film	AA
	R5606	9GJRD1/4PU101J	M	Carbon Film	AA
	R5607	9GJRD1/4PU101J	M	Carbon Film	AA
	R5608	9GJRD1/4PU101J	M	Carbon Film	AA
	R5609	9GJRD1/4PU101J	M	Carbon Film	AA
	R5610	9GJRD1/4PU101J	M	Carbon Film	AA
	R5611	9GJRD1/4PU101J	M	Carbon Film	AA
	R5612	9GJRD1/4PU474J	M	Carbon Film	AA
	R5613	9GJRD1/4PU101J	M	Carbon Film	AA
	R5614	9GJRD1/4PU101J	M	Carbon Film	AA
	R5615	9GJRD1/4PU101J	M	Carbon Film	AA
	R5616	9GJRD1/4PU101J	M	Carbon Film	AA
	R5617	9GJRD1/4PU101J	M	Carbon Film	AA
	R5618	9GJRD1/4PU101J	M	Carbon Film	AA
	R5619	9GJRD1/4PU101J	M	Carbon Film	AA
	R5620	9GJRD1/4PU101J	M	Carbon Film	AA
	R5621	9GJRD1/4PU101J	M	Carbon Film	AA
	R5622	9GJRD1/4PU101J	M	Carbon Film	AA
	R5623	9GJRD1/4PU101J	M	Carbon Film	AA
	R5624	9GJRD1/4PU101J	M	Carbon Film	AA
	R5625	9GJRD1/4PU101J	M	Carbon Film	AA
	R5626	9GJRD1/4PU101J	M	Carbon Film	AA
	R5627	9GJRD1/4PU223J	M	Carbon Film	AA
	R5628	9GJRD1/4PU223J	M	Carbon Film	AA
	R5629	9GJRD1/4PU472J	M	Carbon Film	AA
	R5630	9GJRD1/4PU470J	M	Carbon Film	AA
	R5631	9GJRD1/4PU470J	M	Carbon Film	AA
	R5632	9GJRD1/4PU470J	M	Carbon Film	AA
	R5633	9GJRD1/4PU470J	M	Carbon Film	AA
	R5634	9GJRD1/4PU470J	M	Carbon Film	AA
	R5635	9GJRD1/4PU470J	M	Carbon Film	AA
	R5636	9GJRD1/4PU101J	M	Carbon Film	AA
	R5637	9GJRD1/4PU101J	M	Carbon Film	AA
	R5638	9GJRD1/4PU470J	M	Carbon Film	AA
	R5639	9GJRD1/4PU103J	M	Carbon Film	AA
	R5640	9GJRD1/4PU101J	M	Carbon Film	AA
	R5643	9GJRD1/4PU101J	M	Carbon Film	AA
	R5644	9GJRS2MMF8R2J	M	Metal Oxide	AB
	R5645	9GJRS1MMF3R3J	M	Metal Oxide	AC
	R5646	9GJRS1MMF2R7J	M	Metal Oxide	AC
	R5647	9GJRD1/4PU101J	M	Carbon Film	AA
	R5650	9GJRD1/4PU223J	M	Carbon Film	AA
	R5651	9GJRD1/4PU101J	M	Carbon Film	AA
	R5652	9GJRD1/4PU101J	M	Carbon Film	AA
	R5653	9GJRD1/4PU101J	M	Carbon Film	AA
	R5654	9GJRD1/4PU101J	M	Carbon Film	AA
	R5655	9GJRD1/4PU101J	M	Carbon Film	AA
	R5656	9GJRD1/4PU101J	M	Carbon Film	AA
	R5658	9GJRD1/4PU101J	M	Carbon Film	AA
	R5659	9GJRD1/4PU101J	M	Carbon Film	AA
	R5660	9GJRD1/4PU101J	M	Carbon Film	AA
	R5661	9GJRD1/4PU101J	M	Carbon Film	AA
	R5663	9GJRD1/4PU101J	M	Carbon Film	AA
	R5664	9GJRD1/4PU101J	M	Carbon Film	AA
	R5665	9GJRD1/4PU101J	M	Carbon Film	AA
	R5666	9GJRD1/4PU101J	M	Carbon Film	AA
	R5667	9GJRD1/4PU101J	M	Carbon Film	AA
	R5668	9GJRD1/4PU101J	M	Carbon Film	AA
	R5669	9GJRD1/4PU101J	M	Carbon Film	AA
	R5670	9GJRD1/4PU101J	M	Carbon Film	AA
	R5671	9GJRD1/4PU101J	M	Carbon Film	AA
	R5672	9GJRD1/4PU101J	M	Carbon Film	AA
	R5673	9GJRD1/4PU101J	M	Carbon Film	AA
	R5674	9GJRD1/4PU101J	M	Carbon Film	AA
	R5675	9GJRD1/4PU101J	M	Carbon Film	AA
	R5676	9GJRD1/4PU101J	M	Carbon Film	AA
	R5677	9GJRD1/4PU101J	M	Carbon Film	AA
	R5678	9GJRD1/4PU101J	M	Carbon Film	AA
	R5679	9GJRD1/4PU101J	M	Carbon Film	AA
	R5683	9GJRD1/4PU101J	M	Carbon Film	AA
	R5684	9GJRD1/4PU101J	M	Carbon Film	AA
	R5685	9GJRD12MMF4R7J	M	Carbon Film	AC

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VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R5686	9GJRD1/4PU390J	M	Carbon Film	AA
	R5687	9GJRD1/4PU103J	M	Carbon Film	AA
	R5688	9GJRD1/4PU101J	M	Carbon Film	AA
	R5689	9GJRD1/4PU182J	M	Carbon Film	AA
	R5690	9GJRD1/4PU363J	M	Carbon Film	AA
	R5691	9GJRD1/4PU682J	M	Carbon Film	AA
	R5692	9GJRD1/4PU393J	M	Carbon Film	AA
	R5693	9GJRD1/4PU101J	M	Carbon Film	AA
	R5694	9GJRD1/4PU271J	M	Carbon Film	AA
	R5695	9GJRD1/4PU512J	M	Carbon Film	AA
	R5696	9GJRD1/4PU101J	M	Carbon Film	AA
	R5697	9GJRD1/4PU821J	M	Carbon Film	AA
	R5698	9GJRD1/4PU101J	M	Carbon Film	AA
	R5699	9GJRD1/4PU472J	M	Carbon Film	AA
	R5700	9GJRD1/4PU103J	M	Carbon Film	AA
	R5701	9GJRD1/4PU103J	M	Carbon Film	AA
	R5702	9GJRD1/4PU103J	M	Carbon Film	AA
	R5703	9GJRD1/4PU103J	M	Carbon Film	AA
	R5704	9GJRD1/4PU223J	M	Carbon Film	AA
	R5705	9GJRD1/4PU152J	M	Carbon Film	AA
	R5706	9GJRD1/4PU821J	M	Carbon Film	AA
	R5707	9GJRD1/4PU562J	M	Carbon Film	AA
	R5708	9GJRD1/4PU103J	M	Carbon Film	AA
	R5709	9GJRD1/4PU103J	M	Carbon Film	AA
	R5710	9GJRD1/4PU103J	M	Carbon Film	AA
	R5711	9GJRD1/4PU102J	M	Carbon Film	AA
	R5712	9GJRD1/4PU101J	M	Carbon Film	AA
	R5713	9GJRD1/4PU101J	M	Carbon Film	AA
	R5714	9GJRD1/4PU470J	M	Carbon Film	AA
	R5715	9GJRD1/4PU103J	M	Carbon Film	AA
	R5716	9GJRD1/4PU103J	M	Carbon Film	AA
	R5717	9GJRD1/4PU103J	M	Carbon Film	AA
	R5718	9GJRD1/4PU103J	M	Carbon Film	AA
	R5719	9GJRD1/4PU102J	M	Carbon Film	AA
	R5720	9GJRD1/4PU101J	M	Carbon Film	AA
	R5721	9GJRD1/4PU222J	M	Carbon Film	AA
	R5722	9GJRD1/4PU101J	M	Carbon Film	AA
	R5723	9GJRD1/4PU101J	M	Carbon Film	AA
	R5724	9GJRD1/4PU102J	M	Carbon Film	AA
	R5725	9GJRD1/4PU470J	M	Carbon Film	AA
	R5726	9GJRD1/4PU103J	M	Carbon Film	AA
	R5727	9GJRD1/4PU103J	M	Carbon Film	AA
	R5728	9GJRD1/4PU470J	M	Carbon Film	AA
	R5729	9GJRD1/4PU223J	M	Carbon Film	AA
	R5730	9GJRD1/4PU102J	M	Carbon Film	AA
	R5731	9GJRD1/4PU223J	M	Carbon Film	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5251	9GJKM250MA15	M	Plug, 15-pin	AE
	CN5252	9GJKM250MA9B	M	Plug, 9-pin	AD
	CN5253	9GJKM250MA10R	M	Plug, 10-pin	AE
	CN5601	9GJKM250MA9	M	Plug, 9-pin	AD
	CN5602	9GJAKP1185	M	Socket, 32-pin	AQ
	CN5603	9GJAKP1185	M	Socket, 32-pin	AQ
	CN5604	9GJAKP1185	M	Socket, 32-pin	AQ
	CN5605	9GJAKP1186	M	Socket, 44-pin	AR
	CN5606	9GJAKP1186	M	Socket, 44-pin	AR
	CN5607	9GJAKP1186	M	Socket, 44-pin	AR
	CN5608	9GJAKP1186	M	Socket, 44-pin	AR
	CN5609	9GJAKP1186	M	Socket, 44-pin	AR
	5602	9GJPMZ30P100FZ	M	Screw	AA

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SIGNAL ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC7001	9GJMC14577CF	M	Video Amp IC	AM
	IC7002	9GJUPD64081BGF	M	3D	BN
	IC7003	9GJHY514264BJC	M	4M Dram	AZ
	IC7004	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7005	9GJTC7SET08FU	M	Logic IC	AF
	IC7006	9GJMC14577CF	M	Video Amp IC	AM
	IC7007	9GJPQ05RD1B	M	Regurater IC	AN
	IC7008	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC7009	9GJTC7S66FU	M	L-MOS,IC	AG
	IC7100	9GJTA1270AF	M	TV IC	BB
	IC7101	9GJMC14577CF	M	Video Amp IC	AM
	IC7102	9GJMC14577CF	M	Video Amp IC	AM
	IC7103	9GJNJM2233BM	M	E-SW IC	AH
	IC7105	9GJPQ05RD1B	M	Regurater IC	AN
	IC7106	9GJPQ09RD1B	M	Regurater IC	AN
	IC7250	9GJCXA2119M	M	YC I/F IC	BB
	IC7300	9GJTA1270AF	M	TV IC	BB
	IC7301	9GJMM1031XM	M	Video Amp IC	AX
	IC7302	9GJMC14577CF	M	Video Amp IC	AM
	IC7303	9GJNJM2233BM	M	E-SW IC	AH
	IC7304	9GJMM1031XM	M	Video Amp IC	AX
	IC7305	9GJNJM2233BM	M	E-SW IC	AH
	IC7306	9GJNJM2233BM	M	E-SW IC	AH
	IC7307	9GJTC90A45F	M	2line Degital Com	AX
	IC7500	9GJMM1031XM	M	Video Amp IC	AX
	IC7501	9GJMC14577CF	M	Video Amp IC	AM
	IC7502	9GJTC74HC4066F	M	Logic IC	AK
	IC7503	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7504	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7505	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7507	9GJTC7W04FU	M	L-MOS,IC	AH
	IC7600	9GJTC74HC4066F	M	Logic IC	AK
	IC7601	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7602	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7603	9GJMB40C568HPF	M	A/D Converter	AZ
	IC7604	9GJMC14577CF	M	Video Amp IC	AM
	IC7605	9GJMM1031XM	M	Video Amp IC	AX
	IC7700	9GJMA07132	M	Multi Window IC	BW
	IC7701	9GJHY514264BJC	M	4M Dram	AZ
	IC7702	9GJHY514264BJC	M	4M Dram	AZ
	IC7703	9GJTLC2932IPW	M	PLL IC	AX
	IC7704	9GJTLC2932IPW	M	PLL IC	AX
	IC7705	9GJTC74HCT32AF	M	Logic IC	AF
	IC7706	9GJTC7SET08FU	M	Logic IC	AF
	IC7707	9GJMC14577CF	M	Video Amp IC	AM
	IC7708	9GJMC14577CF	M	Video Amp IC	AM
	IC7709	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC7710	9GJNJM2283M	M	Video-SW IC	AM
	IC7800	9GJPD5499	M	TV Control	BU
	IC7801	9GJPST9146N	M	System Reset IC	AF
	IC7802	9GJ24LC08B(I)S	M	8K EEPROM	AQ
	IC7803	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC7900	9GJV53C808SHK4	M	8M Dram	BD
	IC7901	RH-IX3273CEZZ	M	4M Prom	BE
	IC7902	RH-IX3077CEZZ	M	EPG Decode IC	BH
	IC7903	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC7904	9GJPQ05RD1B	M	Regurater IC	AN
	IC7905	9GJVKH1011	M	IC Socket	AW

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q7001	9GJ2SC2712	M	Transistor	AE
	Q7002	9GJ2SA1162	M	Chip TR	AF
	Q7003	9GJ2SA1162	M	Chip TR	AF
	Q7004	9GJ2SC2712	M	Transistor	AE
	Q7005	9GJ2SA1162	M	Chip TR	AF
	Q7006	9GJ2SC2712	M	Transistor	AE
	Q7007	9GJ2SA1162	M	Chip TR	AF
	Q7008	9GJ2SA1162	M	Chip TR	AF
	Q7009	9GJ2SC2712	M	Transistor	AE
	Q7100	9GJ2SC2712	M	Transistor	AE

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	Q7101	9GJ2SC2712	M	Transistor	AE
	Q7103	9GJ2SC2712	M	Transistor	AE
	Q7104	9GJ2SC2712	M	Transistor	AE
	Q7105	9GJ2SC2712	M	Transistor	AE
	Q7106	9GJ2SC2712	M	Transistor	AE
	Q7107	9GJ2SC2712	M	Transistor	AE
	Q7108	9GJ2SC2712	M	Transistor	AE
	Q7109	9GJ2SA1162	M	Chip TR	AF
	Q7110	9GJ2SA1162	M	Chip TR	AF
	Q7111	9GJ2SA1162	M	Chip TR	AF
	Q7112	9GJ2SA1162	M	Chip TR	AF
	Q7113	9GJ2SC2712	M	Transistor	AE
	Q7114	9GJ2SC2712	M	Transistor	AE
	Q7115	9GJ2SC2712	M	Transistor	AE
	Q7116	9GJ2SC2712	M	Transistor	AE
	Q7117	9GJ2SC2712	M	Transistor	AE
	Q7118	9GJ2SC2712	M	Transistor	AE
	Q7119	9GJ2SC2712	M	Transistor	AE
	Q7120	9GJ2SC2712	M	Transistor	AE
	Q7121	9GJ2SA1162	M	Chip TR	AF
	Q7122	9GJ2SC2712	M	Transistor	AE
	Q7128	9GJ2SA1162	M	Chip TR	AF
	Q7129	9GJ2SA1162	M	Chip TR	AF
	Q7130	9GJ2SA1162	M	Chip TR	AF
	Q7131	9GJ2SA1162	M	Chip TR	AF
	Q7250	9GJ2SC2712	M	Transistor	AE
	Q7300	9GJ2SC2712	M	Transistor	AE
	Q7301	9GJ2SC2712	M	Transistor	AE
	Q7303	9GJ2SC2712	M	Transistor	AE
	Q7304	9GJ2SC2712	M	Transistor	AE
	Q7305	9GJ2SC2712	M	Transistor	AE
	Q7306	9GJ2SC2712	M	Transistor	AE
	Q7307	9GJ2SC2712	M	Transistor	AE
	Q7308	9GJ2SC2712	M	Transistor	AE
	Q7309	9GJ2SC2712	M	Transistor	AE
	Q7310	9GJ2SC2712	M	Transistor	AE
	Q7311	9GJ2SA1162	M	Chip TR	AF
	Q7312	9GJ2SC2712	M	Transistor	AE
	Q7313	9GJ2SC2712	M	Transistor	AE
	Q7314	9GJ2SC2712	M	Transistor	AE
	Q7315	9GJ2SC2712	M	Transistor	AE
	Q7316	9GJ2SA1162	M	Chip TR	AF
	Q7317	9GJ2SC2712	M	Transistor	AE
	Q7318	9GJ2SA1162	M	Chip TR	AF
	Q7319	9GJ2SA1162	M	Chip TR	AF
	Q7320	9GJ2SC2712	M	Transistor	AE
	Q7321	9GJ2SC2712	M	Transistor	AE
	Q7322	9GJ2SC2712	M	Transistor	AE
	Q7323	9GJ2SA1162	M	Chip TR	AF
	Q7324	9GJ2SA1162	M	Chip TR	AF
	Q7325	9GJ2SA1162	M	Chip TR	AF
	Q7500	9GJ2SC2712	M	Transistor	AE
	Q7501	9GJ2SC2712	M	Transistor	AE
	Q7502	9GJ2SC2712	M	Transistor	AE
	Q7503	9GJ2SA1162	M	Chip TR	AF
	Q7504	9GJ2SA1162	M	Chip TR	AF
	Q7505	9GJ2SA1162	M	Chip TR	AF
	Q7506	9GJ2SC2712	M	Transistor	AE
	Q7507	9GJ2SC2712	M	Transistor	AE
	Q7508	9GJ2SC2712	M	Transistor	AE
	Q7600	9GJ2SC2712	M	Transistor	AE
	Q7601	9GJ2SC2712	M	Transistor	AE
	Q7602	9GJ2SC2712	M	Transistor	AE
	Q7603	9GJ2SA1162	M	Chip TR	AF
	Q7604	9GJ2SA1162	M	Chip TR	AF
	Q7605	9GJ2SA1162	M	Chip TR	AF
	Q7606	9GJ2SC2712	M	Transistor	AE
	Q7700	9GJ2SA1162	M	Chip TR	AF
	Q7701	9GJ2SA1162	M	Chip TR	AF
	Q7702	9GJ2SA1162	M	Chip TR	AF
	Q7703	9GJ2SA1162	M	Chip TR	AF
	Q7704	9GJ2SA1162	M	Chip TR	AF
	Q7705	9GJ2SA1162	M	Chip TR	AF
	Q7800	9GJ2SC2712	M	Transistor	AE
	Q7801	9GJ2SC2712	M	Transistor	AE
	Q7900	9GJ2SC2712	M	Transistor	AE
	Q7901	9GJ2SA1162	M	Chip TR	AF
	Q7902	9GJ2SA1162	M	Chip TR	AF
	Q7903	9GJ2SA1162	M	Chip TR	AF
	Q7904	9GJ2SA1162	M	Chip TR	AF
	Q7905	9GJ2SA1162	M	Chip TR	AF
	Q7906	9GJ2SA1162	M	Chip TR	AF
	Q7907	9GJ2SA1162	M	Chip TR	AF
	Q7908	9GJ2SC2712	M	Transistor	AE
	Q7909	9GJ2SC2712	M	Transistor	AE

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D7300	9GJRD10MB	M	Zener Diode	AC
	D7301	9GJRD10MB	M	Zener Diode	AC
	D7500	9GJ1SS352	M	Diode(SMD)	AD
	D7501	9GJ1SS352	M	Diode(SMD)	AD
	D7700	9GJRD10MB	M	Zener Diode	AC
	D7701	9GJRD10MB	M	Zener Diode	AC
	D7702	9GJRD10MB	M	Zener Diode	AC
	D7800	9GJ1SS184	M	Diode(SMD)	AC
	D7801	9GJ1SS184	M	Diode(SMD)	AC
	D7802	9GJ1SS226	M	Diode	AD
	D7803	9GJ1SS226	M	Diode	AD
	D7804	9GJ1SS226	M	Diode	AD
	D7805	9GJ1SS226	M	Diode	AD
	D7806	9GJ1SS226	M	Diode	AD
	D7807	9GJ1SS226	M	Diode	AD
	D7808	9GJ1SS352	M	Diode(SMD)	AD
	D7900	9GJ1SS352	M	Diode(SMD)	AD
	D7901	9GJEC10QS03L	M	Chip Diode	AF
	D7902	9GJEC10QS03L	M	Chip Diode	AF
	D7903	9GJEC10QS03L	M	Chip Diode	AF
	D7904	9GJRD6.2MB	M	Zener Diode	AD
	D7905	9GJ1SS352	M	Diode(SMD)	AD

PACKAGED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	X7001	9GJASS1140	M	Crystal Units	AM
	X7100	9GJASS1138	M	Crystal Units	AK
	X7101	9GJASS1019	M	Ceramic Resonator	AH
	X7300	9GJASS1138	M	Crystal Units	AK
	X7301	9GJASS1019	M	Ceramic Resonator	AH
	X7800	9GJASS1015	M	Ceramic Resonator	AK
	X7900	9GJASS1139	M	Crystal Units	AS

COILS AND FILTERS

Mark	Ref. No.	Part No.	★	Description	Code
	DL7100	9GJATN1054	M	Delay Line	AT
	F7001	9GJATF1127	M	Filter	AT
	F7002	9GJATF1179	M	Filter	AS
	F7003	9GJATF1179	M	Filter	AS
	F7004	9GJATF1127	M	Filter	AT
	F7500	9GJATF1124-A	M	Filter	AH
	F7501	9GJATF1124-A	M	Filter	AH
	F7502	9GJATF1124-A	M	Filter	AH
	F7503	9GJVTF1097	M	Chip Solid Inductor	AC
	F7504	9GJVTF1097	M	Chip Solid Inductor	AC
	F7600	9GJATF1124-A	M	Filter	AH
	F7601	9GJVTF1097	M	Chip Solid Inductor	AC
	F7602	9GJVTF1097	M	Chip Solid Inductor	AC
	F7700	9GJATF1127	M	Filter	AT
	F7701	9GJATF1179	M	Filter	AS
	F7702	9GJATF1179	M	Filter	AS
	F7703	9GJATF1124-A	M	Filter	AH
	F7704	9GJATF1124-A	M	Filter	AH
	F7800	9GJVTF1097	M	Chip Solid Inductor	AC
	F7801	9GJVTF1097	M	Chip Solid Inductor	AC
	F7802	9GJVTF1097	M	Chip Solid Inductor	AC
	F7803	9GJVTF1097	M	Chip Solid Inductor	AC
	F7804	9GJVTF1097	M	Chip Solid Inductor	AC
	F7900	9GJVTF1097	M	Chip Solid Inductor	AC
	F7901	9GJVTF1097	M	Chip Solid Inductor	AC
	F7902	9GJVTF1097	M	Chip Solid Inductor	AC
	F7903	9GJVTF1097	M	Chip Solid Inductor	AC

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	L7001	9GJLCTA4R7J322	M	Chip Coil	AE
	L7002	9GJQTL1013	M	Chip Solid Inductor	AC
	L7003	9GJQTL1013	M	Chip Solid Inductor	AC
	L7004	9GJQTL1013	M	Chip Solid Inductor	AC
	L7005	9GJQTL1013	M	Chip Solid Inductor	AC
	L7006	9GJQTL1013	M	Chip Solid Inductor	AC
	L7007	9GJQTL1013	M	Chip Solid Inductor	AC
	L7008	9GJLCTA220J322	M	Chip Coil	AE
	L7100	9GJLCTA121J322	M	Chip Coil	AD
	L7101	9GJLCTA100J322	M	Chip Coil	AE
	L7102	9GJLCTA120J322	M	Chip Coil	AE
	L7103	9GJLCTA3R9J322	M	Chip Coil	AE
	L7108	9GJLCTA5R6J322	M	Chip Coil	AE
	L7109	9GJLCTA5R6J322	M	Chip Coil	AE
	L7110	9GJLCTA220J322	M	Chip Coil	AE
	L7111	9GJLCTA5R6J322	M	Chip Coil	AE
	L7300	9GJLCTA5R6J322	M	Chip Coil	AE
	L7301	9GJLCTA5R6J322	M	Chip Coil	AE
	L7302	9GJLCTA101J322	M	Chip Coil	AE
	L7303	9GJLCTA121J322	M	Chip Coil	AD
	L7304	9GJLCTA220J322	M	Chip Coil	AE
	L7305	9GJLCTA220J322	M	Chip Coil	AE
	L7500	9GJQTL1013	M	Chip Solid Inductor	AC
	L7502	9GJQTL1013	M	Chip Solid Inductor	AC
	L7503	9GJQTL1013	M	Chip Solid Inductor	AC
	L7505	9GJQTL1013	M	Chip Solid Inductor	AC
	L7506	9GJQTL1013	M	Chip Solid Inductor	AC
	L7508	9GJQTL1013	M	Chip Solid Inductor	AC
	L7600	9GJQTL1013	M	Chip Solid Inductor	AC
	L7602	9GJQTL1013	M	Chip Solid Inductor	AC
	L7603	9GJQTL1013	M	Chip Solid Inductor	AC
	L7605	9GJQTL1013	M	Chip Solid Inductor	AC
	L7606	9GJQTL1013	M	Chip Solid Inductor	AC
	L7608	9GJQTL1013	M	Chip Solid Inductor	AC
	L7609	9GJQTL1013	M	Chip Solid Inductor	AC
	L7610	9GJQTL1013	M	Chip Solid Inductor	AC
	L7611	9GJQTL1013	M	Chip Solid Inductor	AC
	L7612	9GJQTL1013	M	Chip Solid Inductor	AC
	L7613	9GJQTL1013	M	Chip Solid Inductor	AC
	L7614	9GJQTL1013	M	Chip Solid Inductor	AC
	L7615	9GJQTL1013	M	Chip Solid Inductor	AC
	L7616	9GJQTL1013	M	Chip Solid Inductor	AC
	L7617	9GJQTL1013	M	Chip Solid Inductor	AC
	L7618	9GJQTL1013	M	Chip Solid Inductor	AC
	L7619	9GJQTL1013	M	Chip Solid Inductor	AC
	L7620	9GJQTL1013	M	Chip Solid Inductor	AC
	L7621	9GJQTL1013	M	Chip Solid Inductor	AC
	L7622	9GJQTL1013	M	Chip Solid Inductor	AC
	L7623	9GJQTL1013	M	Chip Solid Inductor	AC
	L7624	9GJQTL1013	M	Chip Solid Inductor	AC
	L7625	9GJQTL1013	M	Chip Solid Inductor	AC
	L7626	9GJQTL1013	M	Chip Solid Inductor	AC
	L7627	9GJQTL1013	M	Chip Solid Inductor	AC
	L7628	9GJQTL1013	M	Chip Solid Inductor	AC
	L7629	9GJQTL1013	M	Chip Solid Inductor	AC
	L7630	9GJQTL1013	M	Chip Solid Inductor	AC
	L7631	9GJQTL1013	M	Chip Solid Inductor	AC
	L7632	9GJQTL1013	M	Chip Solid Inductor	AC
	L7633	9GJQTL1013	M	Chip Solid Inductor	AC
	L7634	9GJQTL1013	M	Chip Solid Inductor	AC
	L7704	9GJATX1035-A	M	Chip Solid Inductor	AC
	L7705	9GJATX1035-A	M	Chip Solid Inductor	AC
	L7706	9GJLCTA100J322	M	Chip Coil	AE
	L7707	9GJQTL1013	M	Chip Solid Inductor	AC
	L7711	9GJQTL1013	M	Chip Solid Inductor	AC
	L7712	9GJQTL1013	M	Chip Solid Inductor	AC
	L7713	9GJQTL1013	M	Chip Solid Inductor	AC
	L7714	9GJQTL1013	M	Chip Solid Inductor	AC
	L7715	9GJQTL1013	M	Chip Solid Inductor	AC
	L7716	9GJQTL1013	M	Chip Solid Inductor	AC
	L7717	9GJQTL1013	M	Chip Solid Inductor	AC
	L7720	9GJLCTA220J322	M	Chip Coil	AE
	L7721	9GJQTL1013	M	Chip Solid Inductor	AC
	L7722	9GJQTL1013	M	Chip Solid Inductor	AC
	L7723	9GJQTL1013	M	Chip Solid Inductor	AC
	L7724	9GJQTL1013	M	Chip Solid Inductor	AC
	L7725	9GJQTL1013	M	Chip Solid Inductor	AC
	L7726	9GJQTL1013	M	Chip Solid Inductor	AC
	L7727	9GJQTL1013	M	Chip Solid Inductor	AC
	L7728	9GJQTL1013	M	Chip Solid Inductor	AC
	L7729	9GJQTL1013	M	Chip Solid Inductor	AC
	L7730	9GJQTL1013	M	Chip Solid Inductor	AC
	L7731	9GJQTL1013	M	Chip Solid Inductor	AC
	L7732	9GJQTL1013	M	Chip Solid Inductor	AC
	L7733	9GJQTL1013	M	Chip Solid Inductor	AC
	L7734	9GJQTL1013	M	Chip Solid Inductor	AC
	L7735	9GJQTL1013	M	Chip Solid Inductor	AC
	L7736	9GJQTL1013	M	Chip Solid Inductor	AC
	L7737	9GJQTL1013	M	Chip Solid Inductor	AC
	L7738	9GJQTL1013	M	Chip Solid Inductor	AC
	L7739	9GJQTL1013	M	Chip Solid Inductor	AC
	L7740	9GJQTL1013	M	Chip Solid Inductor	AC
	L7741	9GJQTL1013	M	Chip Solid Inductor	AC
	L7742	9GJQTL1013	M	Chip Solid Inductor	AC
	L7743	9GJQTL1013	M	Chip Solid Inductor	AC
	L7800	9GJQTL1013	M	Chip Solid Inductor	AC
	L7801	9GJQTL1013	M	Chip Solid Inductor	AC
	L7802	9GJQTL1013	M	Chip Solid Inductor	AC
	L7803	9GJQTL1013	M	Chip Solid Inductor	AC
	L7804	9GJQTL1013	M	Chip Solid Inductor	AC
	L7806	9GJQTL1013	M	Chip Solid Inductor	AC
	L7807	9GJQTL1013	M	Chip Solid Inductor	AC
	L7808	9GJQTL1013	M	Chip Solid Inductor	AC
	L7809	9GJQTL1013	M	Chip Solid Inductor	AC
	L7810	9GJQTL1013	M	Chip Solid Inductor	AC

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C7001	9GJCKSQYF104Z5	M	Ceramic	AC
	C7002	9GJCCSQCH270J5	M	Chip	AB
	C7003	9GJCCSQCH330J5	M	Chip	AC
	C7004	9GJCKSQYF104Z5	M	Ceramic	AC
	C7005	9GJCKSQYF104Z5	M	Ceramic	AC
	C7006	9GJCKSQYF104Z5	M	Ceramic	AC
	C7007	9GJCKSQYF104Z5	M	Ceramic	AC
	C7008	9GJCCSQSL391J5	M	Chip	AC
	C7009	9GJCKSQYF104Z5	M	Ceramic	AC
	C7010	9GJCEV100M16	M	Chip Elect.	AD
	C7011	9GJCKSQYF104Z5	M	Ceramic	AC
	C7012	9GJCKSQYB103K5	M	Ceramic	AC
	C7013	9GJCKSQYF104Z5	M	Ceramic	AC
	C7014	9GJCEV1R0M50	M	Chip Elect.	AD
	C7015	9GJCCSQCH471J5	M	Chip Ceramic	AC
	C7016	9GJCKSQYF104Z5	M	Ceramic	AC
	C7017	9GJCKSQYF104Z5	M	Ceramic	AC
	C7018	9GJCKSQYF104Z5	M	Ceramic	AC
	C7019	9GJCKSQYF104Z5	M	Ceramic	AC
	C7020	9GJCKSQYF104Z5	M	Ceramic	AC
	C7021	9GJCKSQYF104Z5	M	Ceramic	AC
	C7022	9GJCKSQYF104Z5	M	Ceramic	AC
	C7023	9GJCKSQYF104Z5	M	Ceramic	AC
	C7024	9GJCKSQYF104Z5	M	Ceramic	AC
	C7027	9GJCKSQYF104Z5	M	Ceramic	AC
	C7028	9GJCEV470M6R3	M	Chip Elect.	AE
	C7029	9GJCKSQYF104Z5	M	Ceramic	AC
	C7030	9GJCEV470M6R3	M	Chip Elect.	AE
	C7031	9GJCKSQYF104Z5	M	Ceramic	AC
	C7032	9GJCEV101M6R3	M	Chip Elect.	AF
	C7033	9GJCKSQYF104Z5	M	Ceramic	AC
	C7034	9GJCEV101M6R3	M	Chip Elect.	AF
	C7035	9GJCKSQYF104Z5	M	Ceramic	AC
	C7036	9GJCKSQYF104Z5	M	Ceramic	AC
	C7037	9GJCKSQYF104Z5	M	Ceramic	AC
	C7038	9GJCCSQCH101J5	M	Chip	AC
	C7039	9GJCKSQYF104Z5	M	Ceramic	AC
	C7040	9GJCEV221M10	M	Chip Elect.	AE
	C7041	9GJCKSQYF104Z5	M	Ceramic	AC
	C7042	9GJCEV221M10	M	Chip Elect.	AE

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C7043	9GJCKSQYF104Z5	M	Ceramic	AC
	C7044	9GJCEV221M10	M	Chip Elect.	AE
	C7045	9GJCEVNP1R0M5	M	Chip Elect.(N.P)	AD
	C7046	9GJCEV101M6R3	M	Chip Elect.	AF
	C7047	9GJCEV470M6R3	M	Chip Elect.	AE
	C7048	9GJCKSQYF104Z5	M	Ceramic	AC
	C7049	9GJCKSQYF104Z5	M	Ceramic	AC
	C7050	9GJCEV101M6R3	M	Chip Elect.	AF
	C7054	9GJCEV470M16	M	Chip Elect.	AF
	C7056	9GJCKSQYF104Z5	M	Ceramic	AC
	C7057	9GJCKSQYB473K5	M	Ceramic	AC
	C7058	9GJCEV470M16	M	Chip Elect.	AF
	C7059	9GJCCSQCH330J5	M	Chip	AC
	C7100	9GJCEVR22M50	M	Chip Elect.	AD
	C7101	9GJCCSQSL222J5	M	Chip	AC
	C7102	9GJCEV2R2M50	M	Chip Elect.	AD
	C7103	9GJCEV2R2M50	M	Chip Elect.	AD
	C7104	9GJCEAT471M10	M	Elect.	AC
	C7105	9GJCKSQYB103K5	M	Ceramic	AC
	C7106	9GJCFHSP104J16	M	Chip Film	AF
	C7107	9GJCFHS223J16	M	Chip Film	AE
	C7108	9GJCEV100M16	M	Chip Elect.	AD
	C7109	9GJCEV470M6R3	M	Chip Elect.	AE
	C7110	9GJCEV100M16	M	Chip Elect.	AD
	C7111	9GJCFHSP104J16	M	Chip Film	AF
	C7112	9GJCFHSP104J16	M	Chip Film	AF
	C7113	9GJCFHSP104J16	M	Chip Film	AF
	C7114	9GJCFHSP104J16	M	Chip Film	AF
	C7115	9GJCFHSP104J16	M	Chip Film	AF
	C7116	9GJCFHSP104J16	M	Chip Film	AF
	C7117	9GJCFHSP104J16	M	Chip Film	AF
	C7122	9GJCKSQYF104Z5	M	Ceramic	AC
	C7123	9GJCKSQYF104Z5	M	Ceramic	AC
	C7124	9GJCKSQYF104Z5	M	Ceramic	AC
	C7125	9GJCEV100M16	M	Chip Elect.	AD
	C7126	9GJCEV101M6R3	M	Chip Elect.	AF
	C7127	9GJCKSQYF104Z5	M	Ceramic	AC
	C7128	9GJCEVNP4R7M16	M	Chip Elect.(N.P)	AG
	C7129	9GJCCSQCH561J5	M	Ceramic	AB
	C7130	9GJCEV1R0M50	M	Chip Elect.	AD
	C7131	9GJCKSQYF104Z5	M	Ceramic	AC
	C7132	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7133	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7134	9GJCKSQYF104Z5	M	Ceramic	AC
	C7135	9GJCEV470M16	M	Chip Elect.	AF
	C7136	9GJCKSQYF104Z5	M	Ceramic	AC
	C7138	9GJCEV470M16	M	Chip Elect.	AF
	C7139	9GJCEV470M16	M	Chip Elect.	AF
	C7140	9GJCCSQCH561J5	M	Ceramic	AB
	C7141	9GJCEV1R0M50	M	Chip Elect.	AD
	C7142	9GJCEV220M16	M	Chip Elect.	AE
	C7143	9GJCEV220M16	M	Chip Elect.	AE
	C7144	9GJCEV220M16	M	Chip Elect.	AE
	C7145	9GJCCSQCH121J5	M	Chip	AC
	C7146	9GJCCSQCH680J5	M	Chip	AC
	C7147	9GJCCSQCH121J5	M	Chip	AC
	C7148	9GJCCSQCH331J5	M	Chip	AC
	C7153	9GJCCSQCH120J5	M	Chip	AH
	C7154	9GJCEV470M16	M	Chip Elect.	AF
	C7155	9GJCKSQYB103K5	M	Ceramic	AC
	C7156	9GJCEV470M6R3	M	Chip Elect.	AE
	C7157	9GJCEV470M16	M	Chip Elect.	AF
	C7158	9GJCEV470M16	M	Chip Elect.	AF
	C7159	9GJCEV101M6R3	M	Chip Elect.	AF
	C7160	9GJCEV470M16	M	Chip Elect.	AF
	C7161	9GJCEV470M16	M	Chip Elect.	AF
	C7162	9GJCEV470M16	M	Chip Elect.	AF
	C7163	9GJCKSQYF103Z5	M	Chip	AC
	C7164	9GJCCSQCH330J5	M	Chip	AC
	C7166	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C7250	9GJCEV470M16	M	Chip Elect.	AF
	C7252	9GJCKSQYB103K5	M	Ceramic	AC
	C7253	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7254	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7255	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7256	9GJCFHSP104J16	M	Chip Film	AF
	C7257	9GJCKSQYF104Z5	M	Ceramic	AC
	C7258	9GJCKSQYF104Z5	M	Ceramic	AC
	C7259	9GJCKSQYF104Z5	M	Ceramic	AC
	C7260	9GJCKSQYF104Z5	M	Ceramic	AC
	C7261	9GJCKSQYF104Z5	M	Ceramic	AC
	C7262	9GJCKSQYF104Z5	M	Ceramic	AC
	C7263	9GJCFHSP104J16	M	Chip Film	AF
	C7264	9GJCFHSP104J16	M	Chip Film	AF
	C7265	9GJCFHSP104J16	M	Chip Film	AF
	C7266	9GJCFHSP104J16	M	Chip Film	AF
	C7267	9GJCFHSP104J16	M	Chip Film	AF
	C7300	9GJCEVR22M50	M	Chip Elect.	AD
	C7301	9GJCCSQSL222J5	M	Chip	AC
	C7302	9GJCEV2R2M50	M	Chip Elect.	AD
	C7303	9GJCEV2R2M50	M	Chip Elect.	AD
	C7304	9GJCEV470M16	M	Chip Elect.	AF
	C7305	9GJCKSQYB103K5	M	Ceramic	AC
	C7306	9GJCFHSP104J16	M	Chip Film	AF
	C7307	9GJCFHS223J16	M	Chip Film	AE
	C7308	9GJCEV100M16	M	Chip Elect.	AD
	C7309	9GJCEV100M16	M	Chip Elect.	AD
	C7310	9GJCEV100M16	M	Chip Elect.	AD
	C7311	9GJCFHSP104J16	M	Chip Film	AF
	C7312	9GJCFHSP104J16	M	Chip Film	AF
	C7313	9GJCFHSP104J16	M	Chip Film	AF
	C7314	9GJCFHSP104J16	M	Chip Film	AF
	C7315	9GJCFHSP104J16	M	Chip Film	AF
	C7316	9GJCFHSP104J16	M	Chip Film	AF
	C7317	9GJCFHSP104J16	M	Chip Film	AF
	C7323	9GJCKSQYF104Z5	M	Ceramic	AC
	C7325	9GJCEV100M16	M	Chip Elect.	AD
	C7326	9GJCEV101M6R3	M	Chip Elect.	AF
	C7327	9GJCKSQYF104Z5	M	Ceramic	AC
	C7328	9GJCEVNP4R7M16	M	Chip Elect.(N.P)	AG
	C7329	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7330	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7331	9GJCKSQYF104Z5	M	Ceramic	AC
	C7332	9GJCEV470M16	M	Chip Elect.	AF
	C7333	9GJCKSQYF104Z5	M	Ceramic	AC
	C7335	9GJCEV470M16	M	Chip Elect.	AF
	C7336	9GJCEAT101M16	M	Elect.	AC
	C7337	9GJCEV470M6R3	M	Chip Elect.	AE
	C7338	9GJCEV470M6R3	M	Chip Elect.	AE
	C7339	9GJCEV470M6R3	M	Chip Elect.	AE
	C7340	9GJCCSQCH120J5	M	Chip	AH
	C7341	9GJCEV1R0M50	M	Chip Elect.	AD
	C7342	9GJCEV470M6R3	M	Chip Elect.	AE
	C7343	9GJCEV1R0M50	M	Chip Elect.	AD
	C7344	9GJCEV100M16	M	Chip Elect.	AD
	C7345	9GJCEV100M16	M	Chip Elect.	AD
	C7346	9GJCEV100M16	M	Chip Elect.	AD
	C7347	9GJCEV100M16	M	Chip Elect.	AD
	C7348	9GJCKSQYF103Z5	M	Chip	AC
	C7349	9GJCEV470M16	M	Chip Elect.	AF
	C7350	9GJCKSQYF103Z5	M	Chip	AC
	C7351	9GJCEV470M16	M	Chip Elect.	AF
	C7352	9GJCKSQYF103Z5	M	Chip	AC
	C7353	9GJCKSQYF103Z5	M	Chip	AC
	C7354	9GJCKSQYF103Z5	M	Chip	AC
	C7355	9GJCCSQCH181J5	M	Chip	AH
	C7356	9GJCCSQCH390J5	M	Chip	AC
	C7357	9GJCCSQCH180J5	M	Chip	AC
	C7358	9GJCEVR47M50	M	Chip Elect.	AD
	C7359	9GJCKSQYF103Z5	M	Chip	AC
	C7360	9GJCKSQYF103Z5	M	Chip	AC
	C7361	9GJCCSQCH120J5	M	Chip	AH
	C7362	9GJCCSQCH270J5	M	Chip	AB
	C7363	9GJCCSQCH120J5	M	Chip	AH
	C7364	9GJCCSQCH270J5	M	Chip	AB
	C7365	9GJCCSQCJ3R0C5	M	Chip	AA
	C7366	9GJCKSQYF103Z5	M	Chip	AC
	C7367	9GJCKSQYF103Z5	M	Chip	AC

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Mark	Ref. No.	Part No.	★	Description	Code
	C7368	9GJCKSQYF103Z5	M	Chip	AC
	C7369	9GJCKSQYF103Z5	M	Chip	AC
	C7370	9GJCCSQCJ3R0C5	M	Chip	AA
	C7371	9GJCKSQYF103Z5	M	Chip	AC
	C7500	9GJCCSQCH101J5	M	Chip	AC
	C7501	9GJCCSQCH101J5	M	Chip	AC
	C7502	9GJCCSQCH101J5	M	Chip	AC
	C7503	9GJCKSQYF103Z5	M	Chip	AC
	C7504	9GJCKSQYF103Z5	M	Chip	AC
	C7505	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7506	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7507	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7508	9GJCKSQYF103Z5	M	Chip	AC
	C7509	9GJCCSQCH101J5	M	Chip	AC
	C7512	9GJCCSQCH101J5	M	Chip	AC
	C7515	9GJCCSQCH101J5	M	Chip	AC
	C7518	9GJCKSQYF104Z5	M	Ceramic	AC
	C7519	9GJCKSQYF104Z5	M	Ceramic	AC
	C7520	9GJCKSQYF104Z5	M	Ceramic	AC
	C7521	9GJCKSQYF104Z5	M	Ceramic	AC
	C7522	9GJCKSQYF104Z5	M	Ceramic	AC
	C7523	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C7524	9GJCKSQYF104Z5	M	Ceramic	AC
	C7525	9GJCKSQYF104Z5	M	Ceramic	AC
	C7526	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C7527	9GJCKSQYF104Z5	M	Ceramic	AC
	C7528	9GJCKSQYF104Z5	M	Ceramic	AC
	C7529	9GJCCSQCH101J5	M	Chip	AC
	C7530	9GJCCSQCH101J5	M	Chip	AC
	C7531	9GJCKSQYF103Z5	M	Chip	AC
	C7532	9GJCEV101M6R3	M	Chip Elect.	AF
	C7533	9GJCKSQYF104Z5	M	Ceramic	AC
	C7534	9GJCKSQYF104Z5	M	Ceramic	AC
	C7535	9GJCKSQYF104Z5	M	Ceramic	AC
	C7536	9GJCEV101M6R3	M	Chip Elect.	AF
	C7537	9GJCCSQCH101J5	M	Chip	AC
	C7539	9GJCEV470M16	M	Chip Elect.	AF
	C7540	9GJCEV470M16	M	Chip Elect.	AF
	C7541	9GJCEV101M6R3	M	Chip Elect.	AF
	C7542	9GJCEV470M16	M	Chip Elect.	AF
	C7543	9GJCEV470M16	M	Chip Elect.	AF
	C7544	9GJCEV470M16	M	Chip Elect.	AF
	C7545	9GJCEV100M16	M	Chip Elect.	AD
	C7546	9GJCEV1R0M50	M	Chip Elect.	AD
	C7547	9GJCEV470M6R3	M	Chip Elect.	AE
	C7550	9GJCKSQYF104Z5	M	Ceramic	AC
	C7552	9GJCKSQYF104Z5	M	Ceramic	AC
	C7553	9GJCKSQYF104Z5	M	Ceramic	AC
	C7555	9GJCKSQYF104Z5	M	Ceramic	AC
	C7556	9GJCKSQYF104Z5	M	Ceramic	AC
	C7558	9GJCKSQYF104Z5	M	Ceramic	AC
	C7600	9GJCCSQCH101J5	M	Chip	AC
	C7601	9GJCCSQCH101J5	M	Chip	AC
	C7602	9GJCCSQCH101J5	M	Chip	AC
	C7603	9GJCKSQYF103Z5	M	Chip	AC
	C7604	9GJCCSQCH101J5	M	Chip	AC
	C7607	9GJCCSQCH101J5	M	Chip	AC
	C7610	9GJCCSQCH101J5	M	Chip	AC
	C7613	9GJCKSQYF104Z5	M	Ceramic	AC
	C7614	9GJCKSQYF104Z5	M	Ceramic	AC
	C7615	9GJCKSQYF104Z5	M	Ceramic	AC
	C7616	9GJCKSQYF104Z5	M	Ceramic	AC
	C7617	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C7618	9GJCKSQYF104Z5	M	Ceramic	AC
	C7619	9GJCKSQYF104Z5	M	Ceramic	AC
	C7620	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C7621	9GJCKSQYF104Z5	M	Ceramic	AC
	C7622	9GJCKSQYF104Z5	M	Ceramic	AC
	C7623	9GJCCSQSH121J5	M	Chip Ceramic	AB
	C7624	9GJCKSQYF104Z5	M	Ceramic	AC
	C7625	9GJCEV101M6R3	M	Chip Elect.	AF
	C7626	9GJCKSQYF104Z5	M	Ceramic	AC
	C7627	9GJCKSQYF104Z5	M	Ceramic	AC
	C7628	9GJCKSQYF104Z5	M	Ceramic	AC
	C7629	9GJCEV101M6R3	M	Chip Elect.	AF
	C7632	9GJCEV101M6R3	M	Chip Elect.	AF
	C7633	9GJCKSQYF104Z5	M	Ceramic	AC
	C7634	9GJCEV470M16	M	Chip Elect.	AF
	C7635	9GJCEV470M16	M	Chip Elect.	AF
	C7636	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7637	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7638	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C7639	9GJCEV470M16	M	Chip Elect.	AF
	C7640	9GJCKSQYF103Z5	M	Chip	AC
	C7641	9GJCEV1R0M50	M	Chip Elect.	AD
	C7642	9GJCEV470M16	M	Chip Elect.	AF
	C7643	9GJCEV470M6R3	M	Chip Elect.	AE
	C7644	9GJCKSQYF104Z5	M	Ceramic	AC
	C7646	9GJCKSQYF104Z5	M	Ceramic	AC
	C7647	9GJCKSQYF104Z5	M	Ceramic	AC
	C7649	9GJCKSQYF104Z5	M	Ceramic	AC
	C7650	9GJCKSQYF104Z5	M	Ceramic	AC
	C7652	9GJCKSQYF104Z5	M	Ceramic	AC
	C7700	9GJCKSQYF104Z5	M	Ceramic	AC
	C7701	9GJCKSQYF104Z5	M	Ceramic	AC
	C7702	9GJCCSQCH101J5	M	Chip	AC
	C7703	9GJCCSQCH101J5	M	Chip	AC
	C7704	9GJCCSQCH101J5	M	Chip	AC
	C7705	9GJCEV101M6R3	M	Chip Elect.	AF
	C7706	9GJCKSQYF104Z5	M	Ceramic	AC
	C7707	9GJCEV100M16	M	Chip Elect.	AD
	C7710	9GJCKSQYF104Z5	M	Ceramic	AC
	C7711	9GJCCSQCH101J5	M	Chip	AC
	C7712	9GJCCSQCH101J5	M	Chip	AC
	C7713	9GJCEV100M16	M	Chip Elect.	AD
	C7714	9GJCKSQYF104Z5	M	Ceramic	AC
	C7715	9GJCEV101M6R3	M	Chip Elect.	AF
	C7716	9GJCKSQYF104Z5	M	Ceramic	AC
	C7723	9GJCKSQYF104Z5	M	Ceramic	AC
	C7727	9GJCCSQCH330J5	M	Chip	AC
	C7728	9GJCCSQCH330J5	M	Chip	AC
	C7729	9GJCEAT102M6R3	M	Elect.	AD
	C7730	9GJCKSQYF104Z5	M	Ceramic	AC
	C7731	9GJCEV101M6R3	M	Chip Elect.	AF
	C7732	9GJCKSQYF104Z5	M	Ceramic	AC
	C7733	9GJCKSQYF104Z5	M	Ceramic	AC
	C7734	9GJCKSQYF104Z5	M	Ceramic	AC
	C7735	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7736	9GJCKSQYF104Z5	M	Ceramic	AC
	C7737	9GJCKSQYF103Z5	M	Chip	AC
	C7738	9GJCKSQYF103Z5	M	Chip	AC
	C7739	9GJCKSQYF104Z5	M	Ceramic	AC
	C7740	9GJCKSQYF104Z5	M	Ceramic	AC
	C7741	9GJCEV101M6R3	M	Chip Elect.	AF
	C7742	9GJCEVNP100M16	M	Chip Elect.	AF
	C7743	9GJCEV100M16	M	Chip Elect.	AD
	C7744	9GJCEV100M16	M	Chip Elect.	AD
	C7745	9GJCKSQYF104Z5	M	Ceramic	AC
	C7746	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7747	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7748	9GJCEVNP470M63	M	Chip Elect.(N.P)	AG
	C7749	9GJCEV101M6R3	M	Chip Elect.	AF
	C7750	9GJCEAT102M6R3	M	Elect.	AD
	C7751	9GJCEAT101M16	M	Elect.	AC
	C7752	9GJCEAT471M16	M	Elect.	AD
	C7753	9GJCFHS393J16	M	Chip Film	AE
	C7754	9GJCFHS393J16	M	Chip Film	AE
	C7755	9GJCEV101M6R3	M	Chip Elect.	AF
	C7756	9GJCEV470M6R3	M	Chip Elect.	AE
	C7757	9GJCKSQYF104Z5	M	Ceramic	AC
	C7758	9GJCEV470M16	M	Chip Elect.	AF
	C7759	9GJCEV101M6R3	M	Chip Elect.	AF
	C7760	9GJCCSQCH330J5	M	Chip	AC
	C7761	9GJCKSQYF104Z5	M	Ceramic	AC
	C7762	9GJCKSQYF104Z5	M	Ceramic	AC
	C7763	9GJCKSQYF104Z5	M	Ceramic	AC
	C7764	9GJCKSQYF104Z5	M	Ceramic	AC
	C7765	9GJCKSQYF104Z5	M	Ceramic	AC

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Mark	Ref. No.	Part No.	★	Description	Code
	C7766	9GJCKSQYF104Z5	M	Ceramic	AC
	C7767	9GJCKSQYF104Z5	M	Ceramic	AC
	C7768	9GJCKSQYF104Z5	M	Ceramic	AC
	C7769	9GJCKSQYF104Z5	M	Ceramic	AC
	C7770	9GJCKSQYF104Z5	M	Ceramic	AC
	C7771	9GJCKSQYF104Z5	M	Ceramic	AC
	C7773	9GJCKSQYF104Z5	M	Ceramic	AC
	C7774	9GJCKSQYF104Z5	M	Ceramic	AC
	C7775	9GJCKSQYF104Z5	M	Ceramic	AC
	C7776	9GJCKSQYF104Z5	M	Ceramic	AC
	C7777	9GJCKSQYF104Z5	M	Ceramic	AC
	C7778	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C7779	9GJCKSQYF104Z5	M	Ceramic	AC
	C7780	9GJCKSQYF104Z5	M	Ceramic	AC
	C7781	9GJCKSQYF104Z5	M	Ceramic	AC
	C7782	9GJCKSQYF104Z5	M	Ceramic	AC
	C7788	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C7800	9GJCKSQYF103Z5	M	Chip	AC
	C7802	9GJCKSQYF103Z5	M	Chip	AC
	C7803	9GJCCSQCH101J5	M	Chip	AC
	C7804	9GJCFHSQ103J16	M	Chip Film	AD
	C7805	9GJCKSQYB223K5	M	Chip	AC
	C7806	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C7807	9GJCCSQCH391J5	M	Chip	AC
	C7808	9GJCEV470M16	M	Chip Elect.	AF
	C7809	9GJCEV101M6R3	M	Chip Elect.	AF
	C7810	9GJCFHSP563J16	M	Chip Film	AE
	C7900	9GJCEV2R2M50	M	Chip Elect.	AD
	C7901	9GJCEV101M6R3	M	Chip Elect.	AF
	C7902	9GJCKSQYF103Z5	M	Chip	AC
	C7903	9GJCKSQYB103K5	M	Ceramic	AC
	C7904	9GJCKSQYB102K5	M	Chip	AC
	C7905	9GJCCSQCH101J5	M	Chip	AC
	C7906	9GJCEV470M16	M	Chip Elect.	AF
	C7907	9GJCEV1R0M50	M	Chip Elect.	AD
	C7908	9GJCEVNP100M16	M	Chip Elect.(N.P)	AF
	C7909	9GJCKSQYF104Z5	M	Ceramic	AC
	C7910	9GJCKSQYF104Z5	M	Ceramic	AC
	C7911	9GJCKSQYF104Z5	M	Ceramic	AC
	C7912	9GJCKSQYF104Z5	M	Ceramic	AC
	C7913	9GJCKSQYF104Z5	M	Ceramic	AC
	C7914	9GJCKSQYF104Z5	M	Ceramic	AC
	C7915	9GJCKSQYF104Z5	M	Ceramic	AC
	C7916	9GJCKSQYF104Z5	M	Ceramic	AC
	C7917	9GJCKSQYF104Z5	M	Ceramic	AC
	C7918	9GJCKSQYF104Z5	M	Ceramic	AC
	C7919	9GJCKSQYF104Z5	M	Ceramic	AC
	C7921	9GJCEV101M6R3	M	Chip Elect.	AF
	C7922	9GJCEV1R0M50	M	Chip Elect.	AD
	C7923	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C7924	9GJCKSQYF104Z5	M	Ceramic	AC
	C7925	9GJCEV101M6R3	M	Chip Elect.	AF
	C7926	9GJCEV470M6R3	M	Chip Elect.	AE
	C7927	9GJCKSQYF103Z5	M	Chip	AC
	C7928	9GJCKSQYF104Z5	M	Ceramic	AC
	C7929	9GJCEV101M6R3	M	Chip Elect.	AF
	C7930	9GJCEAT222M16	M	Elect.	AD
	C7931	9GJCEAT102M16	M	Elect.	AC
	C7932	9GJCEAT222M16	M	Elect.	AD
	C7933	9GJCEV470M6R3	M	Chip Elect.	AE
	C7934	9GJCCSQCH680J5	M	Chip	AC
	C7935	9GJCCSQCH680J5	M	Chip	AC
	C7936	9GJCEV470M6R3	M	Chip Elect.	AE
	C7937	9GJCEV470M16	M	Chip Elect.	AF
	C7938	9GJCEV101M6R3	M	Chip Elect.	AF
	C7939	9GJACH1246	M	Elect.	AN
	C7941	9GJCKSQYB102K5	M	Chip	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R7001	9GJRS1/16S0R0J	M	Chip	AA
	R7002	9GJRS1/16S0R0J	M	Chip	AA
	R7003	9GJRS1/16S471J	M	Chip	AA
	R7004	9GJRS1/16S471J	M	Chip	AA
	R7005	9GJRS1/16S102J	M	Chip	AA
	R7006	9GJRS1/16S103J	M	Chip	AA
	R7007	9GJRS1/16S271J	M	Chip	AA
	R7008	9GJRS1/16S271J	M	Chip	AA
	R7009	9GJRS1/16S102J	M	Chip	AA
	R7010	9GJRS1/16S182J	M	Chip	AA
	R7011	9GJRS1/16S182J	M	Chip	AA
	R7012	9GJRS1/16S101J	M	Chip	AA
	R7013	9GJRS1/16S221J	M	Chip	AA
	R7014	9GJRS1/16S224J	M	Chip	AA
	R7015	9GJRS1/16S473J	M	Chip	AA
	R7016	9GJRS1/16S102J	M	Chip	AA
	R7017	9GJRS1/16S471J	M	Chip	AA
	R7018	9GJRS1/16S472J	M	Chip	AA
	R7019	9GJRS1/16S222J	M	Chip	AA
	R7020	9GJRS1/16S103J	M	Chip	AA
	R7021	9GJRS1/16S472J	M	Chip	AA
	R7022	9GJRS1/16S0R0J	M	Chip	AA
	R7023	9GJRS1/16S102J	M	Chip	AA
	R7024	9GJRS1/16S222J	M	Chip	AA
	R7025	9GJRS1/16S471J	M	Chip	AA
	R7026	9GJRS1/16S102J	M	Chip	AA
	R7027	9GJRS1/16S221J	M	Chip	AA
	R7028	9GJRS1/16S100J	M	Chip	AA
	R7029	9GJRS1/16S222J	M	Chip	AA
	R7030	9GJRS1/16S271J	M	Chip	AA
	R7031	9GJRS1/16S271J	M	Chip	AA
	R7032	9GJRS1/16S751J	M	Chip	AB
	R7033	9GJRS1/16S391J	M	Chip	AA
	R7034	9GJRS1/16S102J	M	Chip	AA
	R7035	9GJRS1/16S100J	M	Chip	AA
	R7036	9GJRS1/16S222J	M	Chip	AA
	R7037	9GJRS1/16S361J	M	Chip	AD
	R7038	9GJRS1/16S102J	M	Chip	AA
	R7039	9GJRS1/16S102J	M	Chip	AA
	R7040	9GJRS1/16S911J	M	Chip	AA
	R7041	9GJRS1/16S221J	M	Chip	AA
	R7042	9GJRS1/16S0R0J	M	Chip	AA
	R7043	9GJRS1/16S0R0J	M	Chip	AA
	R7044	9GJRS1/16S101J	M	Chip	AA
	R7048	9GJRS1/16S271J	M	Chip	AA
	R7049	9GJRS1/16S271J	M	Chip	AA
	R7050	9GJRS1/16S122J	M	Chip	AB
	R7051	9GJRS1/16S361J	M	Chip	AD
	R7052	9GJRS1/16S471J	M	Chip	AA
	R7053	9GJRS1/16S681J	M	Chip	AA
	R7054	9GJRS1/16S561J	M	Chip	AA
	R7055	9GJRS1/16S102J	M	Chip	AA
	R7057	9GJRS1/16S102J	M	Chip	AA
	R7058	9GJRS1/16S0R0J	M	Chip	AA
	R7059	9GJRS1/16S0R0J	M	Chip	AA
	R7061	9GJRS1/16S0R0J	M	Chip	AA
	R7062	9GJRN16SE1801D	M	Chip Metal Film	AB
	R7063	9GJRN16SE2201D	M	Chip Metal Film	AB
	R7064	9GJRS1/16S101J	M	Chip	AA
	R7065	9GJRS1/16S101J	M	Chip	AA
	R7066	9GJRS1/16S101J	M	Chip	AA
	R7067	9GJRS1/16S101J	M	Chip	AA
	R7068	9GJRS1/16S101J	M	Chip	AA
	R7069	9GJRS1/16S101J	M	Chip	AA
	R7070	9GJRS1/16S101J	M	Chip	AA
	R7071	9GJRS1/16S101J	M	Chip	AA
	R7072	9GJRS1/16S103J	M	Chip	AA
	R7073	9GJRN16SE1101D	M	Chip Metal Film	AB
	R7074	9GJRN16SE1801D	M	Chip Metal Film	AB
	R7075	9GJRS1/16S0R0J	M	Chip	AA
	R7076	9GJRS1/16S0R0J	M	Chip	AA
	R7077	9GJRS1/16S0R0J	M	Chip	AA
	R7079	9GJRS1/16S0R0J	M	Chip	AA
	R7080	9GJRS1/16S0R0J	M	Chip	AA
	R7081	9GJRS1/16S0R0J	M	Chip	AA
	R7082	9GJRS1/16S0R0J	M	Chip	AA
	R7083	9GJRS1/16S0R0J	M	Chip	AA
	R7084	9GJRS1/16S0R0J	M	Chip	AA

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R7085	9GJRS1/16S0R0J	M	Chip	AA
	R7100	9GJRS1/16S303J	M	Chip	AA
	R7101	9GJRS1/16S103J	M	Chip	AA
	R7102	9GJRS1/16S302J	M	Chip	AD
	R7103	9GJRS1/16S361J	M	Chip	AD
	R7104	9GJRS1/16S101J	M	Chip	AA
	R7105	9GJRS1/16S271J	M	Chip	AA
	R7106	9GJRS1/16S271J	M	Chip	AA
	R7107	9GJRS1/16S102J	M	Chip	AA
	R7108	9GJRS1/16S102J	M	Chip	AA
	R7109	9GJRS1/16S101J	M	Chip	AA
	R7110	9GJRS1/16S0R0J	M	Chip	AA
	R7111	9GJRS1/16S101J	M	Chip	AA
	R7112	9GJRS1/16S101J	M	Chip	AA
	R7113	9GJRS1/16S101J	M	Chip	AA
	R7114	9GJRS1/16S0R0J	M	Chip	AA
	R7116	9GJRS1/16S101J	M	Chip	AA
	R7120	9GJRS1/16S392J	M	Chip	AB
	R7121	9GJRS1/16S222J	M	Chip	AA
	R7122	9GJRS1/16S271J	M	Chip	AA
	R7124	9GJRS1/16S562J	M	Chip	AA
	R7125	9GJRS1/16S222J	M	Chip	AA
	R7127	9GJRS1/16S222J	M	Chip	AA
	R7129	9GJRS1/16S101J	M	Chip	AA
	R7133	9GJRS1/16S0R0J	M	Chip	AA
	R7134	9GJRS1/16S102J	M	Chip	AA
	R7135	9GJRS1/16S332J	M	Chip	AA
	R7136	9GJRS1/16S473J	M	Chip	AA
	R7137	9GJRS1/16S473J	M	Chip	AA
	R7138	9GJRS1/16S223J	M	Chip	AA
	R7139	9GJRS1/16S222J	M	Chip	AA
	R7140	9GJRS1/16S273J	M	Chip	AA
	R7141	9GJRS1/16S333J	M	Chip	AA
	R7142	9GJRS1/16S222J	M	Chip	AA
	R7143	9GJRS1/16S273J	M	Chip	AA
	R7144	9GJRS1/16S333J	M	Chip	AA
	R7145	9GJRS1/16S102J	M	Chip	AA
	R7146	9GJRS1/16S182J	M	Chip	AA
	R7147	9GJRS1/16S102J	M	Chip	AA
	R7149	9GJRS1/16S101J	M	Chip	AA
	R7150	9GJRS1/16S391J	M	Chip	AA
	R7151	9GJRS1/16S472J	M	Chip	AA
	R7152	9GJRS1/16S472J	M	Chip	AA
	R7153	9GJRS1/16S473J	M	Chip	AA
	R7154	9GJRS1/16S102J	M	Chip	AA
	R7155	9GJRS1/16S302J	M	Chip	AD
	R7156	9GJRS1/16S162J	M	Chip	AB
	R7157	9GJRS1/16S102J	M	Chip	AA
	R7158	9GJRS1/16S102J	M	Chip	AA
	R7159	9GJRS1/16S103J	M	Chip	AA
	R7160	9GJRS1/16S102J	M	Chip	AA
	R7161	9GJRS1/16S472J	M	Chip	AA
	R7162	9GJRS1/16S152J	M	Chip	AA
	R7163	9GJRS1/16S153J	M	Chip	AB
	R7164	9GJRS1/16S102J	M	Chip	AA
	R7165	9GJRS1/16S101J	M	Chip	AA
	R7166	9GJRS1/16S101J	M	Chip	AA
	R7167	9GJRS1/16S101J	M	Chip	AA
	R7168	9GJRS3LMF5R6J	M	Metal Oxide	AD
	R7169	9GJRS1/16S472J	M	Chip	AA
	R7170	9GJRS1/16S152J	M	Chip	AA
	R7171	9GJRS1/16S183J	M	Chip	AB
	R7172	9GJRS1/16S102J	M	Chip	AA
	R7173	9GJRS1/16S101J	M	Chip	AA
	R7174	9GJRS1/16S101J	M	Chip	AA
	R7175	9GJRS1/16S102J	M	Chip	AA
	R7176	9GJRS1/16S101J	M	Chip	AA
	R7177	9GJRS1/16S101J	M	Chip	AA
	R7178	9GJRS1/16S102J	M	Chip	AA
	R7179	9GJRS1/16S101J	M	Chip	AA
	R7180	9GJRS1/16S101J	M	Chip	AA
	R7181	9GJRS1/16S100J	M	Chip	AA

Mark	Ref. No.	Part No.	★	Description	Code
	R7182	9GJRS1/16S100J	M	Chip	AA
	R7183	9GJRS1/16S100J	M	Chip	AA
	R7184	9GJRS1/16S101J	M	Chip	AA
	R7185	9GJRS1/16S103J	M	Chip	AA
	R7186	9GJRS1/16S122J	M	Chip	AB
	R7187	9GJRS1/16S101J	M	Chip	AA
	R7188	9GJRS1/16S103J	M	Chip	AA
	R7189	9GJRS1/16S122J	M	Chip	AB
	R7190	9GJRS1/16S222J	M	Chip	AA
	R7191	9GJRS1/16S273J	M	Chip	AA
	R7192	9GJRS1/16S333J	M	Chip	AA
	R7193	9GJRS1/16S101J	M	Chip	AA
	R7194	9GJRS1/16S103J	M	Chip	AA
	R7195	9GJRS1/16S122J	M	Chip	AB
	R7196	9GJRS1/16S101J	M	Chip	AA
	R7197	9GJRS1/16S681J	M	Chip	AA
	R7198	9GJRS1/16S751J	M	Chip	AB
	R7199	9GJRS1/16S562J	M	Chip	AA
	R7200	9GJRS1/16S272J	M	Chip	AB
	R7201	9GJRS1/16S223J	M	Chip	AA
	R7202	9GJRS1/16S221J	M	Chip	AA
	R7203	9GJRS1/16S911J	M	Chip	AA
	R7204	9GJRS1/16S102J	M	Chip	AA
	R7205	9GJRS1/16S152J	M	Chip	AA
	R7206	9GJRS1/16S221J	M	Chip	AA
	R7207	9GJRS1/16S152J	M	Chip	AA
	R7208	9GJRS1/16S101J	M	Chip	AA
	R7228	9GJRS1/16S0R0J	M	Chip	AA
	R7230	9GJRS1/16S103J	M	Chip	AA
	R7231	9GJRS3LMF5R6J	M	Metal Oxide	AD
	R7232	9GJRS1/16S103J	M	Chip	AA
	R7233	9GJRS1/16S101J	M	Chip	AA
	R7234	9GJRS1/16S101J	M	Chip	AA
	R7235	9GJRS1/16S101J	M	Chip	AA
	R7236	9GJRS3LMF4R7J	M	Metal Oxide	AD
	R7239	9GJRS1/16S103J	M	Chip	AA
	R7240	9GJRS1/16S393J	M	Chip	AA
	R7241	9GJRS1/16S103J	M	Chip	AA
	R7242	9GJRS1/16S221J	M	Chip	AA
	R7243	9GJRS1/16S272J	M	Chip	AB
	R7244	9GJRS1/16S101J	M	Chip	AA
	R7245	9GJRS1/16S272J	M	Chip	AB
	R7246	9GJRS1/16S101J	M	Chip	AA
	R7247	9GJRS1/16S272J	M	Chip	AB
	R7248	9GJRS1/16S101J	M	Chip	AA
	R7249	9GJRS1/16S472J	M	Chip	AA
	R7250	9GJRS1/16S100J	M	Chip	AA
	R7251	9GJRS1/16S100J	M	Chip	AA
	R7252	9GJRS1/16S100J	M	Chip	AA
	R7253	9GJRS1/16S103J	M	Chip	AA
	R7254	9GJRS1/16S103J	M	Chip	AA
	R7255	9GJRS1/16S102J	M	Chip	AA
	R7256	9GJRS1/16S103J	M	Chip	AA
	R7257	9GJRS1/16S103J	M	Chip	AA
	R7258	9GJRS1/16S103J	M	Chip	AA
	R7259	9GJRS1/16S223J	M	Chip	AA
	R7260	9GJRS1/10S221J	M	Chip	AH
	R7265	9GJRS1/16S0R0J	M	Chip	AA
	R7280	9GJRS1/16S0R0J	M	Chip	AA
	R7281	9GJRS1/16S0R0J	M	Chip	AA
	R7282	9GJRS1/16S562J	M	Chip	AA
	R7283	9GJRS1/16S101J	M	Chip	AA
	R7284	9GJRS1/16S271J	M	Chip	AA
	R7300	9GJRS1/16S303J	M	Chip	AA
	R7301	9GJRS1/16S103J	M	Chip	AA
	R7302	9GJRS1/16S302J	M	Chip	AD
	R7303	9GJRS1/16S361J	M	Chip	AD
	R7304	9GJRS1/16S101J	M	Chip	AA
	R7305	9GJRS1/16S271J	M	Chip	AA
	R7306	9GJRS1/16S271J	M	Chip	AA
	R7307	9GJRS1/16S102J	M	Chip	AA
	R7308	9GJRS1/16S102J	M	Chip	AA
	R7309	9GJRS1/16S101J	M	Chip	AA
	R7310	9GJRS1/16S0R0J	M	Chip	AA
	R7311	9GJRS1/16S101J	M	Chip	AA
	R7312	9GJRS1/16S101J	M	Chip	AA

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R7313	9GJRS1/16S101J	M	Chip	AA
	R7314	9GJRS1/16S101J	M	Chip	AA
	R7316	9GJRS1/16S101J	M	Chip	AA
	R7320	9GJRS1/16S332J	M	Chip	AA
	R7321	9GJRS1/16S222J	M	Chip	AA
	R7322	9GJRS1/16S271J	M	Chip	AA
	R7324	9GJRS1/16S562J	M	Chip	AA
	R7325	9GJRS1/16S103J	M	Chip	AA
	R7326	9GJRS1/16S222J	M	Chip	AA
	R7328	9GJRS1/16S222J	M	Chip	AA
	R7330	9GJRS1/16S101J	M	Chip	AA
	R7334	9GJRS1/16S0R0J	M	Chip	AA
	R7335	9GJRS1/16S222J	M	Chip	AA
	R7336	9GJRS1/16S273J	M	Chip	AA
	R7337	9GJRS1/16S333J	M	Chip	AA
	R7338	9GJRS1/16S222J	M	Chip	AA
	R7339	9GJRS1/16S273J	M	Chip	AA
	R7340	9GJRS1/16S333J	M	Chip	AA
	R7341	9GJRS1/16S101J	M	Chip	AA
	R7342	9GJRS1/16S102J	M	Chip	AA
	R7343	9GJRS1/16S102J	M	Chip	AA
	R7345	9GJRS1/16S101J	M	Chip	AA
	R7346	9GJRS1/16S391J	M	Chip	AA
	R7347	9GJRS1/16S472J	M	Chip	AA
	R7348	9GJRS1/16S472J	M	Chip	AA
	R7349	9GJRS1/16S473J	M	Chip	AA
	R7350	9GJRS1/16S102J	M	Chip	AA
	R7351	9GJRS1/16S101J	M	Chip	AA
	R7352	9GJRS1/16S101J	M	Chip	AA
	R7353	9GJRS1/16S100J	M	Chip	AA
	R7354	9GJRS1/16S100J	M	Chip	AA
	R7355	9GJRS1/16S100J	M	Chip	AA
	R7356	9GJRS1/16S471J	M	Chip	AA
	R7357	9GJRS1/16S103J	M	Chip	AA
	R7358	9GJRS1/16S122J	M	Chip	AB
	R7359	9GJRS1/16S471J	M	Chip	AA
	R7360	9GJRS1/16S103J	M	Chip	AA
	R7361	9GJRS1/16S122J	M	Chip	AB
	R7362	9GJRS1/16S222J	M	Chip	AA
	R7363	9GJRS1/16S273J	M	Chip	AA
	R7364	9GJRS1/16S333J	M	Chip	AA
	R7365	9GJRS1/16S471J	M	Chip	AA
	R7366	9GJRS1/16S103J	M	Chip	AA
	R7367	9GJRS1/16S122J	M	Chip	AB
	R7368	9GJRS1/16S101J	M	Chip	AA
	R7369	9GJRS1/16S222J	M	Chip	AA
	R7370	9GJRS1/16S101J	M	Chip	AA
	R7371	9GJRS1/16S102J	M	Chip	AA
	R7372	9GJRS1/16S101J	M	Chip	AA
	R7373	9GJRS1/16S101J	M	Chip	AA
	R7374	9GJRS1/16S102J	M	Chip	AA
	R7375	9GJRS1/16S101J	M	Chip	AA
	R7376	9GJRS1/16S272J	M	Chip	AB
	R7377	9GJRS1/16S101J	M	Chip	AA
	R7378	9GJRS1/16S101J	M	Chip	AA
	R7379	9GJRS1/16S101J	M	Chip	AA
	R7380	9GJRS1/16S101J	M	Chip	AA
	R7381	9GJRS1/16S101J	M	Chip	AA
	R7382	9GJRS1/16S102J	M	Chip	AA
	R7383	9GJRS1/16S102J	M	Chip	AA
	R7384	9GJRS1/16S102J	M	Chip	AA
	R7385	9GJRS1/16S102J	M	Chip	AA
	R7386	9GJRS1/16S821J	M	Chip	AA
	R7387	9GJRS1/16S0R0J	M	Chip	AA
	R7388	9GJRS1/16S102J	M	Chip	AA
	R7389	9GJRS1/16S102J	M	Chip	AA
	R7390	9GJRS1/16S102J	M	Chip	AA
	R7391	9GJRS1/16S102J	M	Chip	AA
	R7392	9GJRS1/16S681J	M	Chip	AA
	R7393	9GJRS1/16S681J	M	Chip	AA
	R7394	9GJRS1/16S102J	M	Chip	AA
	R7395	9GJRS1/16S102J	M	Chip	AA
	R7396	9GJRS1/16S361J	M	Chip	AD
	R7397	9GJRS1/16S102J	M	Chip	AA
	R7398	9GJRS1/16S132J	M	Chip	AA
	R7399	9GJRS1/16S272J	M	Chip	AB
	R7400	9GJRS1/16S391J	M	Chip	AA
	R7401	9GJRS1/16S102J	M	Chip	AA
	R7402	9GJRS1/16S561J	M	Chip	AA
	R7403	9GJRS1/16S102J	M	Chip	AA
	R7404	9GJRS1/16S102J	M	Chip	AA
	R7405	9GJRS1/16S101J	M	Chip	AA
	R7406	9GJRS1/16S101J	M	Chip	AA
	R7407	9GJRS1/16S101J	M	Chip	AA
	R7408	9GJRS1/16S101J	M	Chip	AA
	R7409	9GJRS1/16S101J	M	Chip	AA
	R7410	9GJRS1/16S103J	M	Chip	AA
	R7411	9GJRS1/16S102J	M	Chip	AA
	R7412	9GJRS1/16S272J	M	Chip	AB
	R7413	9GJRS1/16S101J	M	Chip	AA
	R7414	9GJRS1/16S272J	M	Chip	AB
	R7415	9GJRS1/16S101J	M	Chip	AA
	R7416	9GJRS1/16S0R0J	M	Chip	AA
	R7500	9GJRS1/16S0R0J	M	Chip	AA
	R7502	9GJRS1/16S271J	M	Chip	AA
	R7503	9GJRS1/16S102J	M	Chip	AA
	R7504	9GJRS1/16S102J	M	Chip	AA
	R7505	9GJRS1/16S102J	M	Chip	AA
	R7506	9GJRS1/16S152J	M	Chip	AA
	R7507	9GJRS1/16S0R0J	M	Chip	AA
	R7508	9GJRS1/16S0R0J	M	Chip	AA
	R7509	9GJRS1/16S102J	M	Chip	AA
	R7510	9GJRS1/16S102J	M	Chip	AA
	R7511	9GJRS1/16S152J	M	Chip	AA
	R7512	9GJRS1/16S472J	M	Chip	AA
	R7514	9GJRS1/16S472J	M	Chip	AA
	R7516	9GJRS1/16S472J	M	Chip	AA
	R7518	9GJRS1/16S104J	M	Chip	AA
	R7519	9GJRS1/16S332J	M	Chip	AA
	R7520	9GJRS1/16S104J	M	Chip	AA
	R7521	9GJRS1/16S332J	M	Chip	AA
	R7522	9GJRS1/16S104J	M	Chip	AA
	R7523	9GJRS1/16S332J	M	Chip	AA
	R7524	9GJRS1/16S223J	M	Chip	AA
	R7525	9GJRS1/16S0R0J	M	Chip	AA
	R7526	9GJRS1/16S223J	M	Chip	AA
	R7527	9GJRS1/16S472J	M	Chip	AA
	R7528	9GJRS1/16S0R0J	M	Chip	AA
	R7529	9GJRS1/16S223J	M	Chip	AA
	R7530	9GJRS1/16S0R0J	M	Chip	AA
	R7531	9GJRS1/16S223J	M	Chip	AA
	R7532	9GJRS1/16S472J	M	Chip	AA
	R7533	9GJRS1/16S220J	M	Chip	AA
	R7534	9GJRS1/16S220J	M	Chip	AA
	R7535	9GJRS1/16S101J	M	Chip	AA
	R7536	9GJRS1/16S101J	M	Chip	AA
	R7537	9GJRS1/16S101J	M	Chip	AA
	R7538	9GJRS1/16S102J	M	Chip	AA
	R7539	9GJRS1/16S0R0J	M	Chip	AA
	R7543	9GJRS1/16S102J	M	Chip	AA
	R7544	9GJRS1/16S102J	M	Chip	AA
	R7545	9GJRS1/10S0R0J	M	Chip	AB
	R7600	9GJRS1/16S271J	M	Chip	AA
	R7601	9GJRS1/16S102J	M	Chip	AA
	R7602	9GJRS1/16S102J	M	Chip	AA
	R7603	9GJRS1/16S472J	M	Chip	AA
	R7605	9GJRS1/16S472J	M	Chip	AA
	R7607	9GJRS1/16S472J	M	Chip	AA
	R7609	9GJRS1/16S104J	M	Chip	AA
	R7610	9GJRS1/16S332J	M	Chip	AA
	R7611	9GJRS1/16S104J	M	Chip	AA
	R7612	9GJRS1/16S332J	M	Chip	AA
	R7613	9GJRS1/16S104J	M	Chip	AA
	R7614	9GJRS1/16S332J	M	Chip	AA
	R7615	9GJRS1/16S101J	M	Chip	AA
	R7616	9GJRS1/16S101J	M	Chip	AA
	R7617	9GJRS1/16S101J	M	Chip	AA
	R7619	9GJRS1/16S0R0J	M	Chip	AA

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R7621	9GJRS1/16S0R0J	M	Chip	AA
	R7623	9GJRS1/16S0R0J	M	Chip	AA
	R7624	9GJRS1/16S102J	M	Chip	AA
	R7625	9GJRS1/16S152J	M	Chip	AA
	R7626	9GJRS1/16S102J	M	Chip	AA
	R7627	9GJRS1/16S152J	M	Chip	AA
	R7629	9GJRS1/16S102J	M	Chip	AA
	R7630	9GJRS1/10S0R0J	M	Chip	AB
	R7700	9GJRS1/16S102J	M	Chip	AA
	R7701	9GJRS1/16S102J	M	Chip	AA
	R7702	9GJRS1/16S102J	M	Chip	AA
	R7703	9GJRS1/16S102J	M	Chip	AA
	R7704	9GJRS1/16S333J	M	Chip	AA
	R7705	9GJRS1/16S333J	M	Chip	AA
	R7706	9GJRS1/16S333J	M	Chip	AA
	R7707	9GJRS1/16S333J	M	Chip	AA
	R7708	9GJRS1/16S102J	M	Chip	AA
	R7709	9GJRS1/16S333J	M	Chip	AA
	R7710	9GJRS1/16S333J	M	Chip	AA
	R7711	9GJRS1/16S272J	M	Chip	AB
	R7712	9GJRS1/16S222J	M	Chip	AA
	R7713	9GJRS1/16S751J	M	Chip	AB
	R7715	9GJRS1/16S101J	M	Chip	AA
	R7716	9GJRS1/16S0R0J	M	Chip	AA
	R7717	9GJRS1/16S222J	M	Chip	AA
	R7718	9GJRS1/16S751J	M	Chip	AB
	R7719	9GJRS1/16S272J	M	Chip	AB
	R7721	9GJRS1/16S102J	M	Chip	AA
	R7722	9GJRS1/16S0R0J	M	Chip	AA
	R7724	9GJRS1/16S330J	M	Chip	AA
	R7725	9GJRS1/16S102J	M	Chip	AA
	R7726	9GJRS1/16S102J	M	Chip	AA
	R7727	9GJRS1/16S330J	M	Chip	AA
	R7728	9GJRS1/16S0R0J	M	Chip	AA
	R7729	9GJRS1/16S222J	M	Chip	AA
	R7730	9GJRS1/16S101J	M	Chip	AA
	R7731	9GJRS1/16S271J	M	Chip	AA
	R7732	9GJRS1/16S561J	M	Chip	AA
	R7733	9GJRS1/16S561J	M	Chip	AA
	R7734	9GJRS1/16S222J	M	Chip	AA
	R7735	9GJRN1/16S101J	M	Chip	AA
	R7736	9GJRS1/16S271J	M	Chip	AA
	R7737	9GJRS1/16S561J	M	Chip	AA
	R7738	9GJRS1/16S561J	M	Chip	AA
	R7739	9GJRS1/16S222J	M	Chip	AA
	R7740	9GJRS1/16S101J	M	Chip	AA
	R7741	9GJRS1/16S271J	M	Chip	AA
	R7742	9GJRS1/16S561J	M	Chip	AA
	R7743	9GJRS1/16S561J	M	Chip	AA
	R7744	9GJRS1/16S102J	M	Chip	AA
	R7745	9GJRS1/16S102J	M	Chip	AA
	R7746	9GJRS1/16S272J	M	Chip	AB
	R7747	9GJRS1/16S101J	M	Chip	AA
	R7748	9GJRS1/16S272J	M	Chip	AB
	R7749	9GJRS1/16S101J	M	Chip	AA
	R7750	9GJRS1/16S272J	M	Chip	AB
	R7751	9GJRS1/16S101J	M	Chip	AA
	R7752	9GJRS1/16S102J	M	Chip	AA
	R7753	9GJRS1/16S0R0J	M	Chip	AA
	R7755	9GJRS1/16S220J	M	Chip	AA
	R7756	9GJRS1/16S561J	M	Chip	AA
	R7757	9GJRS1/16S751J	M	Chip	AB
	R7758	9GJRS1/16S751J	M	Chip	AB
	R7759	9GJRS1/16S101J	M	Chip	AA
	R7760	9GJRS1/16S101J	M	Chip	AA
	R7761	9GJRS1/16S101J	M	Chip	AA
	R7762	9GJRS1/16S122J	M	Chip	AB
	R7763	9GJRS1/16S102J	M	Chip	AA
	R7764	9GJRN16SE1101D	M	Chip Metal Film	AB
	R7765	9GJRN16SE1801D	M	Chip Metal Film	AB
	R7766	9GJRS1/16S101J	M	Chip	AA
	R7767	9GJRS1/16S101J	M	Chip	AA
	R7768	9GJRS1/16S101J	M	Chip	AA
	R7769	9GJRS1/16S101J	M	Chip	AA
	R7770	9GJRS1/16S101J	M	Chip	AA
	R7771	9GJRS1/16S471J	M	Chip	AA
	R7800	9GJRS1/16S101J	M	Chip	AA
	R7803	9GJRS1/16S101J	M	Chip	AA
	R7804	9GJRS1/16S101J	M	Chip	AA
	R7805	9GJRS1/16S101J	M	Chip	AA
	R7806	9GJRS1/16S101J	M	Chip	AA
	R7807	9GJRS1/16S101J	M	Chip	AA
	R7808	9GJRS1/16S472J	M	Chip	AA
	R7809	9GJRS1/16S472J	M	Chip	AA
	R7810	9GJRS1/16S0R0J	M	Chip	AA
	R7811	9GJRS1/16S471J	M	Chip	AA
	R7812	9GJRS1/16S471J	M	Chip	AA
	R7813	9GJRS1/16S222J	M	Chip	AA
	R7814	9GJRS1/16S223J	M	Chip	AA
	R7815	9GJRS1/16S472J	M	Chip	AA
	R7816	9GJRS1/16S472J	M	Chip	AA
	R7817	9GJRS1/16S472J	M	Chip	AA
	R7818	9GJRS1/16S472J	M	Chip	AA
	R7819	9GJRS1/16S472J	M	Chip	AA
	R7820	9GJRS1/16S472J	M	Chip	AA
	R7821	9GJRS1/16S101J	M	Chip	AA
	R7822	9GJRS1/16S101J	M	Chip	AA
	R7823	9GJRS1/16S101J	M	Chip	AA
	R7824	9GJRS1/16S101J	M	Chip	AA
	R7825	9GJRS1/16S101J	M	Chip	AA
	R7826	9GJRS1/16S101J	M	Chip	AA
	R7827	9GJRS1/16S103J	M	Chip	AA
	R7828	9GJRS1/16S103J	M	Chip	AA
	R7829	9GJRS1/16S102J	M	Chip	AA
	R7830	9GJRS1/16S101J	M	Chip	AA
	R7831	9GJRS1/16S101J	M	Chip	AA
	R7832	9GJRS1/16S472J	M	Chip	AA
	R7833	9GJRS1/16S472J	M	Chip	AA
	R7834	9GJRS1/16S472J	M	Chip	AA
	R7835	9GJRS1/16S472J	M	Chip	AA
	R7836	9GJRS1/16S472J	M	Chip	AA
	R7837	9GJRS1/16S472J	M	Chip	AA
	R7838	9GJRS1/16S472J	M	Chip	AA
	R7839	9GJRS1/16S472J	M	Chip	AA
	R7840	9GJRS1/16S0R0J	M	Chip	AA
	R7841	9GJRS1/16S103J	M	Chip	AA
	R7842	9GJRS1/16S562J	M	Chip	AA
	R7843	9GJRS1/16S103J	M	Chip	AA
	R7844	9GJRS1/16S472J	M	Chip	AA
	R7845	9GJRS1/16S103J	M	Chip	AA
	R7846	9GJRS1/16S103J	M	Chip	AA
	R7847	9GJRS1/16S103J	M	Chip	AA
	R7848	9GJRS1/16S103J	M	Chip	AA
	R7849	9GJRS1/16S103J	M	Chip	AA
	R7850	9GJRS1/16S103J	M	Chip	AA
	R7851	9GJRS1/16S103J	M	Chip	AA
	R7852	9GJRS1/16S103J	M	Chip	AA
	R7853	9GJRS1/16S103J	M	Chip	AA
	R7854	9GJRS1/16S103J	M	Chip	AA
	R7855	9GJRS1/16S103J	M	Chip	AA
	R7856	9GJRS1/16S103J	M	Chip	AA
	R7857	9GJRS1/16S103J	M	Chip	AA
	R7858	9GJRS1/16S103J	M	Chip	AA
	R7859	9GJRS1/16S103J	M	Chip	AA
	R7860	9GJRS1/16S103J	M	Chip	AA
	R7861	9GJRS1/16S103J	M	Chip	AA
	R7862	9GJRS1/16S103J	M	Chip	AA
	R7863	9GJRS1/16S103J	M	Chip	AA
	R7864	9GJRS1/16S103J	M	Chip	AA
	R7865	9GJRS1/16S103J	M	Chip	AA
	R7866	9GJRS1/16S103J	M	Chip	AA
	R7867	9GJRS1/16S103J	M	Chip	AA
	R7868	9GJRS1/16S102J	M	Chip	AA
	R7869	9GJRS1/16S103J	M	Chip	AA
	R7870	9GJRS1/16S103J	M	Chip	AA
	R7871	9GJRS1/16S101J	M	Chip	AA
	R7872	9GJRS1/16S101J	M	Chip	AA
	R7873	9GJRS1/16S101J	M	Chip	AA

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SIGNAL ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R7874	9GJRS1/16S101J	M	Chip	AA
	R7875	9GJRS1/16S101J	M	Chip	AA
	R7876	9GJRS1/16S101J	M	Chip	AA
	R7877	9GJRS1/16S103J	M	Chip	AA
	R7878	9GJRS1/16S103J	M	Chip	AA
	R7879	9GJRS1/16S102J	M	Chip	AA
	R7880	9GJRS1/16S103J	M	Chip	AA
	R7881	9GJRN16SE1001D	M	Chip Metal Film	AA
	R7882	9GJRN16SE3001D	M	Chip Metal Film	AB
	R7883	9GJRS1/16S103J	M	Chip	AA
	R7884	9GJRS1/16S0R0J	M	Chip	AA
	R7886	9GJRS1/16S223J	M	Chip	AA
	R7887	9GJRS1/16S102J	M	Chip	AA
	R7900	9GJRS1/16S101J	M	Chip	AA
	R7901	9GJRS1/16S101J	M	Chip	AA
	R7902	9GJRS1/16S152J	M	Chip	AA
	R7903	9GJRS1/16S101J	M	Chip	AA
	R7904	9GJRS1/16S333J	M	Chip	AA
	R7905	9GJRS1/16S105J	M	Chip	AA
	R7906	9GJRS1/16S102J	M	Chip	AA
	R7907	9GJRS1/16S0R0J	M	Chip	AA
	R7908	9GJRS1/16S682J	M	Chip	AA
	R7909	9GJRS1/16S123J	M	Chip	AA
	R7910	9GJRS1/16S331J	M	Chip	AA
	R7911	9GJRS1/16S682J	M	Chip	AA
	R7912	9GJRS1/16S273J	M	Chip	AA
	R7913	9GJRS1/16S101J	M	Chip	AA
	R7914	9GJRS1/16S101J	M	Chip	AA
	R7915	9GJRS1/16S101J	M	Chip	AA
	R7916	9GJRS1/16S471J	M	Chip	AA
	R7917	9GJRS1/16S471J	M	Chip	AA
	R7918	9GJRS1/16S471J	M	Chip	AA
	R7919	9GJRS1/16S472J	M	Chip	AA
	R7920	9GJRS1/16S561J	M	Chip	AA
	R7921	9GJRS1/16S560J	M	Chip	AA
	R7922	9GJRS1/16S0R0J	M	Chip	AA
	R7923	9GJRS1/16S821J	M	Chip	AA
	R7924	9GJRS1/16S473J	M	Chip	AA
	R7925	9GJRS1/16S223J	M	Chip	AA
	R7926	9GJRS1/16S472J	M	Chip	AA
	R7927	9GJRS1/16S472J	M	Chip	AA
	R7928	9GJRS1/16S224J	M	Chip	AA
	R7929	9GJRS1/16S332J	M	Chip	AA
	R7930	9GJRS1/16S682J	M	Chip	AA
	R7931	9GJRS1/16S102J	M	Chip	AA
	R7932	9GJRS1/16S102J	M	Chip	AA
	R7933	9GJRS1/16S101J	M	Chip	AA
	R7934	9GJRS1/16S103J	M	Chip	AA
	R7935	9GJRS1/16S104J	M	Chip	AA
	R7936	9GJRS1/16S104J	M	Chip	AA
	R7937	9GJRS1/16S104J	M	Chip	AA
	R7938	9GJRS1/16S104J	M	Chip	AA
	R7939	9GJRS1/16S104J	M	Chip	AA
	R7940	9GJRS1/16S104J	M	Chip	AA
	R7941	9GJRS1/16S104J	M	Chip	AA
	R7942	9GJRS1/16S104J	M	Chip	AA
	R7943	9GJRS1/16S104J	M	Chip	AA
	R7944	9GJRS1/16S104J	M	Chip	AA
	R7945	9GJRS1/16S104J	M	Chip	AA
	R7946	9GJRS1/16S104J	M	Chip	AA
	R7947	9GJRS1/16S104J	M	Chip	AA
	R7948	9GJRS1/16S104J	M	Chip	AA
	R7949	9GJRS1/16S104J	M	Chip	AA
	R7950	9GJRS1/16S104J	M	Chip	AA
	R7951	9GJRS1/16S104J	M	Chip	AA
	R7952	9GJRS1/16S104J	M	Chip	AA
	R7953	9GJRS1/16S104J	M	Chip	AA
	R7954	9GJRS1/16S104J	M	Chip	AA
	R7955	9GJRS1/16S104J	M	Chip	AA
	R7956	9GJRS1/16S104J	M	Chip	AA
	R7957	9GJRS1/16S104J	M	Chip	AA
	R7958	9GJRS1/16S104J	M	Chip	AA
	R7959	9GJRS1/16S104J	M	Chip	AA
	R7960	9GJRS1/16S104J	M	Chip	AA
	R7961	9GJRS1/16S0R0J	M	Chip	AA
	R7962	9GJRS1/16S104J	M	Chip	AA
	R7963	9GJRS1/16S103J	M	Chip	AA
	R7964	9GJRS1/16S472J	M	Chip	AA
	R7965	9GJRS1/16S104J	M	Chip	AA
	R7966	9GJRS1/16S561J	M	Chip	AA
	R7967	9GJRS1/16S220J	M	Chip	AA
	R7968	9GJRS1/16S271J	M	Chip	AA
	R7969	9GJRS1/16S101J	M	Chip	AA
	R7970	9GJRN16SE1001D	M	Chip Metal Film	AA
	R7971	9GJRN16SE3001D	M	Chip Metal Film	AB
	R7973	9GJRS1/16S180J	M	Chip	AD
	R7974	9GJRS1/16S0R0J	M	Chip	AA
	R7976	9GJRS1/16S103J	M	Chip	AA
	R7977	9GJRS1/16S100J	M	Chip	AA
	R7978	9GJRS1/16S101J	M	Chip	AA
	R7979	9GJRS1/2S151J	M	Chip	AD
	R7980	9GJRS1/16S561J	M	Chip	AA
	R7981	9GJRS1/16S561J	M	Chip	AA
	R7982	9GJRS1/16S561J	M	Chip	AA
	R7983	9GJRS1/16S222J	M	Chip	AA
	R7984	9GJRS1/16S222J	M	Chip	AA
	R7985	9GJRS1/16S222J	M	Chip	AA
	R7986	9GJRS1/16S101J	M	Chip	AA
	R7987	9GJRS1/16S102J	M	Chip	AA
	R7988	9GJRS1/16S182J	M	Chip	AA
	R7989	9GJRS1/16S682J	M	Chip	AA
	R7990	9GJRS1/16S272J	M	Chip	AB
	R7991	9GJRS1/16S0R0J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN7100	9GJKM250MA6LR	M	Plug, 6-pin	AD
	CN7600	9GJAKM1155	M	Plug, 44-pin	AQ
	CN7800	9GJAKM1154	M	Plug, 32-pin	AN
	CN7801	9GJAKH1008	M	IC Connector	
	CN7900	9GJKM250MA3LB	M	Plug, 3-pin	AC
	J7001	9GJADX2495	M	Housing Wire	AY
	1	9GJBBZ30P100FZ	M	Screw	AB
	2	9GJBBZ30P100FZ	M	Screw	AB

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R CRT DRIVE ASS'Y

INTEGRATED CIRCUIT

Mark	Ref. No.	Part No.	★	Description	Code
	IC5101	9GJTDA6120Q	M	CRT Drive Amp	BC

TRANSISTOR

Mark	Ref. No.	Part No.	★	Description	Code
	Q5101	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5101	9GJS5688G	M	Diode	AC
	D5102	9GJS5688G	M	Diode	AC
	D5103	9GJS5688G	M	Diode	AC
	D5104	9GJS5688G	M	Diode	AC
	D5105	9GJS5688G	M	Diode	AC
	D5106	9GJS5688G	M	Diode	AC

COILS

Mark	Ref. No.	Part No.	★	Description	Code
	L5101	9GJLAU3R3J	M	Axial Inductor	AD
	L5102	9GJLAU2R2J	M	Axial Inductor	AC
	L5103	9GJLTA562J	M	Inductor	AF
	SG5101	9GJAEX1024	M	Spark Gap	AD
	SG5102	9GJAEX1024	M	Spark Gap	AD

CONTROL

Mark	Ref. No.	Part No.	★	Description	Code
	VR5101	9GJVRTHS6VS222	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5101	9GJCCCSL390J50	M	Ceramic	AB
	C5102	9GJCCCSL7R0D50	M	Ceramic	AA
	C5103	9GJCCCSL120J50	M	Ceramic	AB
	C5104	9GJCKCYF103Z50	M	Ceramic	AB
	C5106	9GJCKCYF103Z50	M	Ceramic	AB
	C5107	9GJACH1318	M	Elect.	AF
	C5108	9GJACG1001	M	Ceramic	AE
	C5109	9GJCEAT222M16	M	Elect.	AD
	C5110	9GJCEAT101M25	M	Elect.	AC
	C5111	9GJCKCYE103P2H	M	Ceramic	AC
	C5113	9GJCKCYE103P2H	M	Ceramic	AC
	C5114	9GJACH1318	M	Elect.	AF

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5101	9GJRS1MMF270J	M	Metal Oxide	AC
	R5102	9GJRD1/4PU101J	M	Cabon Film	AA
	R5103	9GJRD1/4PU102J	M	Cabon Film	AA
	R5104	9GJRD1/4PU470J	M	Cabon Film	AA
	R5105	9GJRD1/4PU101J	M	Cabon Film	AA
	R5106	9GJRD1/4PU511J	M	Cabon Film	AA
	R5107	9GJRD1/4PU331J	M	Cabon Film	AA
	R5108	9GJRD1/4PU470J	M	Cabon Film	AA
	R5109	9GJRD1/4PU680J	M	Cabon Film	AA
	R5110	9GJRD1/4PU273J	M	Cabon Film	AA
	R5111	9GJRD1/4PU113J	M	Cabon Film	AA
	R5112	9GJRS3LMF822J	M	Metal Oxide	AD
	R5113	9GJRS3LMF822J	M	Metal Oxide	AD
	R5114	9GJRS3LMF822J	M	Metal Oxide	AD
	R5115	9GJACN1129-A	M	Solid (47, 1/2W)	AD
	R5116	9GJACN1131-A	M	Solid (220, 1/2W)	AD
	R5117	9GJRD12LMF100J	M	Cabon Film	AD
	R5118	9GJACN1133-A	M	Solid (470 , 1/2W)	AD

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5101	9GJKM250MA5R	M	Plug, 5-pin	AD
	CN5102	9GJKM250MA5B	M	Plug, 5-pin	AC
	CN5104	9GJAKG1005	M	CRT Socket	AN
	CN5105	9GJKM250MA3	M	Plug, 3-pin	AC
	CN5106	9GJKM250MA3R	M	Plug, 3-pin	AC
	5101	9GJPMB30P160FZ	M	Screw	AC
	5102	9GJPMB30P160FZ	M	Screw	AC
	5103	9GJBPZ30P100FZ	M	Screw	AA
	5104	9GJBBZ30P080FC	M	Screw	AA
	5105	9GJBBZ30P080FC	M	Screw	AA
	5106	9GJBBZ30P080FC	M	Screw	AA
	5107	9GJBBZ30P080FC	M	Screw	AA
	5108	9GJBBZ30P080FC	M	Screw	AA

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G CRT DRIVE ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC5151	9GJTDA6120Q	M	CRT Drive Amp	BC

TRANSISTOR

Mark	Ref. No.	Part No.	★	Description	Code
	Q5151	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5151	9GJS5688G	M	Diode	AC
	D5152	9GJS5688G	M	Diode	AC
	D5153	9GJS5688G	M	Diode	AC
	D5154	9GJS5688G	M	Diode	AC
	D5155	9GJS5688G	M	Diode	AC
	D5156	9GJS5688G	M	Diode	AC

COILS

Mark	Ref. No.	Part No.	★	Description	Code
	L5151	9GJLAU3R3J	M	Axial Inductor	AD
	L5152	9GJLAU2R2J	M	Axial Inductor	AC
	L5153	9GJLTA562J	M	Inductor	AF
	SG5151	9GJAEX1024	M	Spark Gap	AD
	SG5152	9GJAEX1024	M	Spark Gap	AD

CONTROL

Mark	Ref. No.	Part No.	★	Description	Code
	VR5151	9GJVRTHS6VS222	M	VR	AA

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5151	9GJCCCSL560J50	M	Ceramic	AB
	C5152	9GJCCCSL7R0D50	M	Ceramic	AA
	C5153	9GJCCCSL120J50	M	Ceramic	AB
	C5154	9GJCKCYF103Z50	M	Ceramic	AB
	C5156	9GJCKCYF103Z50	M	Ceramic	AB
	C5157	9GJACH1318	M	Elect.	AF
	C5158	9GJACG1001	M	Ceramic	AE
	C5159	9GJCEAT222M16	M	Elect.	AD
	C5160	9GJCEAT101M25	M	Elect.	AC
	C5161	9GJCKCYE103P2H	M	Ceramic	AC
	C5163	9GJCKCYE103P2H	M	Ceramic	AC
	C5164	9GJACH1318	M	Elect.	AF

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5151	9GJRS1MMF270J	M	Metal Oxide	AC
	R5152	9GJRD1/4PU101J	M	Cabon Film	AA
	R5153	9GJRD1/4PU101J	M	Cabon Film	AA
	R5154	9GJRD1/4PU470J	M	Cabon Film	AA
	R5155	9GJRD1/4PU391J	M	Cabon Film	AA
	R5156	9GJRD1/4PU221J	M	Cabon Film	AA
	R5157	9GJRD1/4PU220J	M	Cabon Film	AA
	R5158	9GJRD1/4PU680J	M	Cabon Film	AA
	R5159	9GJRD1/4PU223J	M	Cabon Film	AA
	R5160	9GJRD1/4PU822J	M	Cabon Film	AA
	R5161	9GJRS3LMF822J	M	Metal Oxide	AD
	R5162	9GJRS3LMF822J	M	Metal Oxide	AD
	R5163	9GJRS3LMF822J	M	Metal Oxide	AD
	R5164	9GJACN1129-A	M	Solid (47, 1/2W)	AB
	R5165	9GJACN1131-A	M	Solid (220, 1/2W)	AC
	R5166	9GJRD1/4PU102J	M	Cabon Film	AA
	R5167	9GJRD12LMF100J	M	Cabon Film	AB
	R5168	9GJACN1133-A	M	Solid (470, 1/2W)	AC

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G CRT DRIVE ASS'Y (Continued)

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5151	9GJKM250MA5	M	Plug, 5-pin	AC
	CN5154	9GJAKG1005	M	CRT Socket	AN
	CN5156	9GJKM250MA3	M	Plug, 3-pin	AC
	CN5157	9GJKM250MA3B	M	Plug, 3-pin	AC
	5151	9GJPMB30P160FZ	M	Screw	AC
	5152	9GJPMB30P160FZ	M	Screw	AC
	5153	9GJBPZ30P100FZ	M	Screw	AA
	5154	9GJBBZ30P080FC	M	Screw	AA
	5155	9GJBBZ30P080FC	M	Screw	AA
	5156	9GJBBZ30P080FC	M	Screw	AA
	5157	9GJBBZ30P080FC	M	Screw	AA
	5158	9GJBBZ30P080FC	M	Screw	AA

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B CRT DRIVE ASS'Y

INTEGRATED CIRCUIT

Mark	Ref. No.	Part No.	★	Description	Code
	IC5201	9GJTDA6120Q	M	CRT Drive Amp	BC

TRANSISTOR

Mark	Ref. No.	Part No.	★	Description	Code
	Q5201	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D5201	9GJS5688G	M	Diode	AC
	D5202	9GJS5688G	M	Diode	AC
	D5203	9GJS5688G	M	Diode	AC
	D5204	9GJS5688G	M	Diode	AC
	D5205	9GJS5688G	M	Diode	AC
	D5206	9GJS5688G	M	Diode	AC

COILS

Mark	Ref. No.	Part No.	★	Description	Code
	L5201	9GJLAU4R7J	M	Axial Inductor	AD
	L5202	9GJLAU1R0J	M	Axial Inductor	AC
	L5203	9GJLTA562J	M	Inductor	AF
	SG5201	9GJAEX1024	M	Spark Gap	AD
	SG5202	9GJAEX1024	M	Spark Gap	AD

CONTROL

Mark	Ref. No.	Part No.	★	Description	Code
	VR5201	9GJVRTHS6VS222	M	VR	AD

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C5201	9GJCCCSL220J50	M	Ceramic	AB
	C5202	9GJCCCSL220J50	M	Ceramic	AB
	C5203	9GJCCCSL220J50	M	Ceramic	AB
	C5204	9GJCKCYF103Z50	M	Ceramic	AB
	C5206	9GJCKCYF103Z50	M	Ceramic	AB
	C5207	9GJACH1318	M	Elect.	AF
	C5208	9GJACG1001	M	Ceramic	AE
	C5209	9GJCEAT222M16	M	Elect.	AD
	C5210	9GJCEAT101M25	M	Elect.	AC
	C5211	9GJCKCYE103P2H	M	Ceramic	AC
	C5213	9GJCKCYE103P2H	M	Ceramic	AC
	C5214	9GJACH1318	M	Elect.	AF

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R5201	9GJRS1MMF270J	M	Metal Oxide	AC
	R5202	9GJRD1/4PU101J	M	Carbon Film	AA
	R5203	9GJRD1/4PU470J	M	Carbon Film	AA
	R5204	9GJRD1/4PU101J	M	Carbon Film	AA
	R5205	9GJRD1/4PU431J	M	Carbon Film	AA
	R5206	9GJRD1/4PU221J	M	Carbon Film	AA
	R5207	9GJRD1/4PU271J	M	Carbon Film	AA
	R5208	9GJRD1/4PU221J	M	Carbon Film	AA
	R5209	9GJRD1/4PU123J	M	Carbon Film	AA
	R5210	9GJRD1/4PU472J	M	Carbon Film	AA
	R5211	9GJRS3LMF822J	M	Metal Oxide	AD
	R5212	9GJRS3LMF822J	M	Metal Oxide	AD
	R5213	9GJRS3LMF822J	M	Metal Oxide	AD
	R5214	9GJACN1129-A	M	Solid (47, 1/2W)	AB
	R5215	9GJACN1131-A	M	Solid (220, 1/2W)	AC
	R5216	9GJRD1/4PU102J	M	Carbon Film	AA
	R5217	9GJRD12LMF100J	M	Carbon Film	AB
	R5218	9GJACN1133-A	M	Solid(470 , 1/2W)	AC

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	CN5201	9GJKM250MA5B	M	Plug, 5-pin	AC
	CN5204	9GJAKG1005	M	CRT Socket	AN
	CN5206	9GJKM250MA3	M	Plug, 3-pin	AC
	CN5207	9GJKM250MA3B	M	Plug, 3-pin	AC
	5201	9GJPMB30P160FZ	M	Screw	AC
	5202	9GJPMB30P160FZ	M	Screw	AC
	5203	9GJBPZ30P100FZ	M	Screw	AA
	5204	9GJBBZ30P080FC	M	Screw	AA
	5205	9GJBBZ30P080FC	M	Screw	AA
	5206	9GJBBZ30P080FC	M	Screw	AA
	5207	9GJBBZ30P080FC	M	Screw	AA
	5208	9GJBBZ30P080FC	M	Screw	AA

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AC IN ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC101	9GJPC817CD	M	Photocupler	AG
	IC102	9GJPC817CD	M	Photocupler	AG

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q101	9GJ2SC1740S	M	Transistor	AD
	Q102	9GJ2SC1740S	M	Transistor	AD
	Q103	9GJ2SC1740S	M	Transistor	AD
	Q104	9GJ2SC1740S	M	Transistor	AD
	Q105	9GJ2SA933S	M	Transistor	AD
	Q106	9GJ2SC1740S	M	Transistor	AD

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D101	9GJD5SBA60(B)	M	Diode	AQ
	D102	9GJD5SBA60(B)	M	Diode	AQ
	D103	9GJS5688G	M	Diode	AC
	D104	9GJS5688G	M	Diode	AC
	D105	9GJS5688G	M	Diode	AC
	D106	9GJS5688G	M	Diode	AC
	D107	9GJ1SS254	M	Diode	AC
	D108	9GJ1SS254	M	Diode	AC
	D109	9GJ1SS254	M	Diode	AC
	D110	9GJ1SS254	M	Diode	AC
	D111	9GJHZS6B1L	M	Zener Diode	AC
	D112	9GJ1SS254	M	Diode	AC
	D113	9GJ1SS254	M	Diode	AC
	D114	9GJ1SS254	M	Diode	AC
	D115	9GJ1SS254	M	Diode	AC
	D116	9GJ1SS254	M	Diode	AC
	D117	9GJ1SS254	M	Diode	AC
	D118	9GJBR3371XJ30A	M	LED	AD
	D119	9GJ1SS254	M	Diode	AC
	D120	9GJ1SS254	M	Diode	AC
	D121	9GJ1SS254	M	Diode	AC
	D122	9GJ1SS254	M	Diode	AC
	D123	9GJ1SS254	M	Diode	AC

COILS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	L101	9GJATF1183	M	Line Filter	AQ
⚠	L102	9GJATF1183	M	Line Filter	AQ
⚠	L103	9GJATF1183	M	Line Filter	AQ
⚠	L104	9GJATF1183	M	Line Filter	AQ
	T101	9GJATT1282	M	Power Transformer	AW

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
⚠	C101	9GJACE1107	M	FLM CAP.(0.22 /250V)	AK
⚠	C102	9GJACE1107	M	FLM CAP.(0.22 /250V)	AK
⚠	C103	9GJACE1107	M	FLM CAP.(0.22 /250V)	AK
⚠	C104	9GJACE1107	M	FLM CAP.(0.22 /250V)	AK
	C109	9GJACG-501	M	CKA (0.01/AC250V)	AD
	C111	9GJACG-501	M	CKA (0.01/AC250V)	AD
	C113	9GJCEHAT102M16	M	Elect.	AE
	C114	9GJCKCYB103K50	M	Ceramic	AC
	C115	9GJCEHAT470M25	M	Elect.	AE
	C116	9GJCEHAT470M25	M	Elect.	AE
	C117	9GJCEHAT470M25	M	Elect.	AE
	C118	9GJCEHAT470M25	M	Elect.	AE
	C119	9GJCEHAT100M50	M	Elect.	AE
	C120	9GJCEHAT470M25	M	Elect.	AE

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R101	9GJRT5PZ1R8K	M	Cement (1.8, 5W)	AF
	R102	9GJACN1128	M	Wire Wound	AP
	R103	9GJRT5PZ1R8K	M	Cement (1.8, 5W)	AF
	R104	9GJACN1128	M	Wire Wound	AP
	R105	9GJBCN1022-A	M	Solid (2.2M, 1/2W)	AC
	R106	9GJRD14MUF222J	M	Carbon Film	AB
	R107	9GJRD14MUF222J	M	Carbon Film	AB
	R108	9GJRD1/4PU182J	M	Carbon Film	AA
	R109	9GJRD1/4PU102J	M	Carbon Film	AA
	R110	9GJRD1/4PU473J	M	Carbon Film	AA
	R111	9GJRD1/4PU122J	M	Carbon Film	AA
	R112	9GJRD1/4PU470J	M	Carbon Film	AA
	R113	9GJRD1/4PU122J	M	Carbon Film	AA
	R114	9GJRD1/4PU473J	M	Carbon Film	AA
	R115	9GJRD1/4PU122J	M	Carbon Film	AA
	R116	9GJRD1/4PU470J	M	Carbon Film	AA
	R117	9GJRD1/4PU122J	M	Carbon Film	AA
	R118	9GJRD1/4PU103J	M	Carbon Film	AA
	R119	9GJRD1/4PU103J	M	Carbon Film	AA
	R120	9GJRD1/4PU473J	M	Carbon Film	AA
	R121	9GJRD1/4PU473J	M	Carbon Film	AA
	R122	9GJRD1/4PU472J	M	Carbon Film	AA
	R123	9GJRD1/4PU102J	M	Carbon Film	AA
	R124	9GJRD1/4PU101J	M	Carbon Film	AA
	R125	9GJRD1/4PU472J	M	Carbon Film	AA
	R126	9GJRD1/4PU472J	M	Carbon Film	AA
	R127	9GJRD1/4PU472J	M	Carbon Film	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	RY101	9GJASR1050	M	Relay	AP
	RY102	9GJASR1050	M	Relay	AP
	RY103	9GJASR1049	M	Relay	AQ
	RY104	9GJASR1049	M	Relay	AQ
	CN101	9GJAKM1156	M	Plug, 2-pin	AE
	CN102	9GJAKM1156	M	Plug, 2-pin	AE
	CN103	9GJAKM1128	M	Plug, 3-pin	AE
	CN104	9GJAKM1127	M	Plug, 2-pin	AD
⚠	FU101	9GJAEK1069	M	Fuse(10A)	AG
⚠	FU102	9GJREK1082	M	Fuse(4A)	AE
⚠	FU103	9GJAEK1011	M	Fuse(800MA)	AF
⚠	FU104	9GJAEK1010	M	Fuse(0.5A)	AG
	H101	9GJAKR1007	M	Fuse Holder	AE
	H102	9GJAKR1007	M	Fuse Holder	AE
	H103	9GJAKR1003	M	Fuse Clip	AB
	H104	9GJAKR1003	M	Fuse Clip	AB
	H105	9GJAKR1003	M	Fuse Clip	AB
	H106	9GJAKR1003	M	Fuse Clip	AB
	H107	9GJAKR1003	M	Fuse Clip	AB
	H108	9GJAKR1003	M	Fuse Clip	AB
	J101	9GJADX2488	M	Housing Wire	AP
	8010	9GJBMZ30P100FZ	M	Screw	AB

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SUB VIDEO ASS'Y

INTEGRATED CIRCUITS

Mark	Ref. No.	Part No.	★	Description	Code
	IC3801	9GJTC74HC4053F	M	Logic IC	AR
	IC3802	9GJM52036SP	M	Sync Processor IC	AX
	IC3803	9GJTC74HC4066F	M	Logic IC	AK
	IC3804	9GJTC74HC4538F	M	Logic IC	AQ
	IC4001	9GJTC9078F	M	IC	BL
	IC4002	9GJTC35071F	M	Video A/D Converter	AX
	IC4003	9GJTC35071F	M	Video A/D Converter	AX
	IC4004	9GJTA8667F	M	H.AFC IC	AU
	IC4005	9GJHG62G010R29	M	Aoto Zoom IC	AZ
	IC4006	9GJTC74HC4066F	M	Logic IC	AK
	IC4007	9GJTC4053BF	M	Logic IC	AP
	IC4201	9GJAN5344FBP	M	Color Feature Unit	BA
	IC4202	9GJMC14577CF	M	Video Amp IC	AM
	IC4203	9GJPQ20VZ1U	M	Regurater IC	AQ
	IC4401	9GJAN5395FBP	M	HDTV IC	BG
	IC4402	9GJPA0030	M	TV IC	AX
	IC4403	9GJMC14011BF	M	Logic IC	AH
	IC4404	9GJTC74HC4066F	M	Logic IC	AK
	IC4405	9GJCXA1315M	M	8Bit D/A	AT
	IC4701	9GJPST9146N	M	System Reset IC	AF
	IC4702	9GJSAA7165WP	M	Video D/A	BR
	IC4703	9GJTDA8755T	M	Video A/D Converter	BN
	IC4704	9GJSAA4952WP	M	Memory Controller	BL
	IC4705	9GJTMS4C2973-2	M	2.9M Field Memory	BL
	IC4706	9GJTMS4C2973-2	M	2.9M Field Memory	BL
	IC4707	9GJUPC29L33T	M	Regulator IC	AK
	IC4708	9GJUPC29L33T	M	Regulator IC	AK
	IC4709	9GJUPC78L05T	M	Regulator IC	AG
	IC4710	9GJUPC78L05T	M	Regulator IC	AG
	IC4711	9GJUPC78L05T	M	Regulator IC	AG
	IC4713	9GJCD74HCT4046	M	PLL IC	AV
	IC4714	9GJTC74HCT04AF	M	Logic IC	AF
	IC4716	9GJTC74HCT08AF	M	Quad and Gate IC	AF
	IC4718	9GJTC74HC4066F	M	Logic IC	AK
	IC4719	9GJSAA4990H	M	Prozonic IC	BU
	IC4720	9GJPE6002	M	OTP Micro Controller	CA
	IC4722	9GJM51952BML	M	Reset IC	AG
	IC4723	9GJTC74HC74AF	M	Logic IC	AH
	IC4724	9GJTC74HC4538F	M	Logic IC	AQ
	IC4725	9GJTC74HC161AF	M	IC	AN
	IC4726	9GJTC74HC74AF	M	Logic IC	AH

TRANSISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	Q3801	9GJ2SC2712	M	Transistor	AE
	Q3802	9GJ2SC2712	M	Transistor	AE
	Q3803	9GJ2SC2712	M	Transistor	AE
	Q3804	9GJ2SC2712	M	Transistor	AE
	Q3805	9GJ2SC2712	M	Transistor	AE
	Q3806	9GJ2SC2712	M	Transistor	AE
	Q3807	9GJ2SA1162	M	Chip TR	AF
	Q3808	9GJ2SA1162	M	Chip TR	AF
	Q3809	9GJ2SC2712	M	Transistor	AE
	Q3810	9GJ2SC2712	M	Transistor	AE
	Q3811	9GJ2SC2712	M	Transistor	AE
	Q3812	9GJ2SA1162	M	Chip TR	AF
	Q3813	9GJ2SA1162	M	Chip TR	AF
	Q3814	9GJ2SA1162	M	Chip TR	AF
	Q3815	9GJ2SC2712	M	Transistor	AE
	Q3816	9GJ2SC2712	M	Transistor	AE
	Q3817	9GJ2SC2712	M	Transistor	AE
	Q3818	9GJ2SC2712	M	Transistor	AE
	Q3819	9GJ2SC2712	M	Transistor	AE
	Q3820	9GJ2SC2712	M	Transistor	AE
	Q3821	9GJ2SC2712	M	Transistor	AE
	Q3822	9GJ2SA1162	M	Chip TR	AF
	Q3823	9GJ2SA1162	M	Chip TR	AF
	Q3824	9GJ2SA1162	M	Chip TR	AF
	Q3825	9GJ2SA1162	M	Chip TR	AF
	Q3826	9GJ2SC2712	M	Transistor	AE
	Q4001	9GJ2SC2712	M	Transistor	AE
	Q4002	9GJ2SA1162	M	Chip TR	AF
	Q4003	9GJ2SC2712	M	Transistor	AE
	Q4004	9GJ2SK208	M	NCH-FET(SMD)	AE
	Q4005	9GJ2SC2712	M	Transistor	AE
	Q4006	9GJ2SA1162	M	Chip TR	AF
	Q4007	9GJ2SC2712	M	Transistor	AE
	Q4008	9GJ2SC2712	M	Transistor	AE
	Q4009	9GJ2SA1162	M	Chip TR	AF
	Q4010	9GJ2SA1162	M	Chip TR	AF
	Q4011	9GJ2SC2712	M	Transistor	AE
	Q4012	9GJ2SC2712	M	Transistor	AE
	Q4013	9GJ2SA1162	M	Chip TR	AF
	Q4014	9GJ2SA1162	M	Chip TR	AF
	Q4015	9GJ2SC2712	M	Transistor	AE
	Q4016	9GJ2SA1162	M	Chip TR	AF
	Q4017	9GJ2SA1162	M	Chip TR	AF
	Q4018	9GJ2SC2712	M	Transistor	AE
	Q4019	9GJ2SC2712	M	Transistor	AE
	Q4020	9GJ2SC2712	M	Transistor	AE
	Q4021	9GJ2SC2712	M	Transistor	AE
	Q4022	9GJ2SC2712	M	Transistor	AE
	Q4023	9GJ2SC2712	M	Transistor	AE
	Q4024	9GJ2SC2712	M	Transistor	AE
	Q4025	9GJ2SC2712	M	Transistor	AE
	Q4026	9GJ2SC2712	M	Transistor	AE
	Q4027	9GJ2SA1162	M	Chip TR	AF
	Q4028	9GJ2SA1162	M	Chip TR	AF
	Q4029	9GJ2SA1162	M	Chip TR	AF
	Q4030	9GJ2SC2712	M	Transistor	AE
	Q4031	9GJ2SA1162	M	Chip TR	AF
	Q4032	9GJ2SA1162	M	Chip TR	AF
	Q4033	9GJ2SC2712	M	Transistor	AE
	Q4034	9GJ2SC2712	M	Transistor	AE
	Q4035	9GJ2SC2712	M	Transistor	AE
	Q4036	9GJ2SA1162	M	Chip TR	AF
	Q4037	9GJ2SA1162	M	Chip TR	AF
	Q4038	9GJ2SA1162	M	Chip TR	AF
	Q4039	9GJ2SC2712	M	Transistor	AE
	Q4040	9GJ2SC2712	M	Transistor	AE
	Q4041	9GJ2SC2712	M	Transistor	AE
	Q4042	9GJ2SA1162	M	Chip TR	AF
	Q4043	9GJ2SA1162	M	Chip TR	AF
	Q4044	9GJ2SA1162	M	Chip TR	AF
	Q4045	9GJ2SC2712	M	Transistor	AE
	Q4047	9GJ2SC2712	M	Transistor	AE
	Q4048	9GJ2SC2712	M	Transistor	AE
	Q4202	9GJ2SC2712	M	Transistor	AE
	Q4203	9GJ2SA1162	M	Chip TR	AF
	Q4204	9GJ2SA1162	M	Chip TR	AF
	Q4205	9GJ2SA1162	M	Chip TR	AF
	Q4206	9GJ2SC2712	M	Transistor	AE
	Q4207	9GJ2SA1162	M	Chip TR	AF
	Q4208	9GJ2SC2712	M	Transistor	AE
	Q4209	9GJ2SC2712	M	Transistor	AE
	Q4212	9GJ2SC2712	M	Transistor	AE
	Q4213	9GJ2SC2712	M	Transistor	AE
	Q4214	9GJ2SC2712	M	Transistor	AE
	Q4215	9GJ2SC2712	M	Transistor	AE
	Q4216	9GJ2SK208	M	NCH-FET(SMD)	AE
	Q4217	9GJ2SA1162	M	Chip TR	AF
	Q4218	9GJ2SA1162	M	Chip TR	AF
	Q4219	9GJ2SA1162	M	Chip TR	AF
	Q4220	9GJ2SC2712	M	Transistor	AE
	Q4221	9GJ2SA1162	M	Chip TR	AF
	Q4222	9GJ2SA1162	M	Chip TR	AF
	Q4223	9GJ2SA1162	M	Chip TR	AF
	Q4224	9GJ2SA1162	M	Chip TR	AF
	Q4225	9GJ2SC2712	M	Transistor	AE
	Q4226	9GJ2SA1162	M	Chip TR	AF
	Q4227	9GJ2SA1162	M	Chip TR	AF
	Q4228	9GJ2SC2712	M	Transistor	AE
	Q4229	9GJ2SC2712	M	Transistor	AE
	Q4230	9GJ2SC2712	M	Transistor	AE
	Q4231	9GJ2SA1162	M	Chip TR	AF
	Q4232	9GJ2SA1162	M	Chip TR	AF
	Q4233	9GJ2SC2712	M	Transistor	AE

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	Q4234	9GJ2SA1162	M	Chip TR	AF
	Q4235	9GJ2SA1162	M	Chip TR	AF
	Q4236	9GJ2SC2712	M	Transistor	AE
	Q4237	9GJ2SA1162	M	Chip TR	AF
	Q4238	9GJ2SC2712	M	Transistor	AE
	Q4239	9GJ2SC2712	M	Transistor	AE
	Q4240	9GJ2SC2712	M	Transistor	AE
	Q4242	9GJ2SC2712	M	Transistor	AE
	Q4243	9GJ2SA1162	M	Chip TR	AF
	Q4244	9GJ2SA1162	M	Chip TR	AF
	Q4245	9GJ2SA1162	M	Chip TR	AF
	Q4246	9GJ2SA1162	M	Chip TR	AF
	Q4247	9GJ2SC2712	M	Transistor	AE
	Q4248	9GJ2SC2712	M	Transistor	AE
	Q4249	9GJ2SC2712	M	Transistor	AE
	Q4250	9GJ2SC2712	M	Transistor	AE
	Q4251	9GJ2SC2712	M	Transistor	AE
	Q4252	9GJ2SC2712	M	Transistor	AE
	Q4401	9GJ2SA1162	M	Chip TR	AF
	Q4402	9GJ2SA1162	M	Chip TR	AF
	Q4403	9GJ2SC2712	M	Transistor	AE
	Q4404	9GJ2SC2712	M	Transistor	AE
	Q4405	9GJ2SC2712	M	Transistor	AE
	Q4406	9GJ2SA1162	M	Chip TR	AF
	Q4407	9GJ2SA1162	M	Chip TR	AF
	Q4408	9GJ2SC2712	M	Transistor	AE
	Q4409	9GJ2SC2712	M	Transistor	AE
	Q4411	9GJ2SC2712	M	Transistor	AE
	Q4413	9GJ2SC2712	M	Transistor	AE
	Q4414	9GJ2SC2712	M	Transistor	AE
	Q4415	9GJ2SC2712	M	Transistor	AE
	Q4416	9GJ2SC2712	M	Transistor	AE
	Q4417	9GJ2SA1162	M	Chip TR	AF
	Q4418	9GJ2SC2712	M	Transistor	AE
	Q4419	9GJ2SC2712	M	Transistor	AE
	Q4420	9GJ2SC2712	M	Transistor	AE
	Q4421	9GJ2SC2712	M	Transistor	AE
	Q4422	9GJ2SA1162	M	Chip TR	AF
	Q4423	9GJ2SA1162	M	Chip TR	AF
	Q4424	9GJ2SC2712	M	Transistor	AE
	Q4425	9GJ2SC2712	M	Transistor	AE
	Q4428	9GJ2SC2712	M	Transistor	AE
	Q4429	9GJ2SA1162	M	Chip TR	AF
	Q4430	9GJ2SC2712	M	Transistor	AE
	Q4431	9GJ2SC2712	M	Transistor	AE
	Q4432	9GJ2SC2712	M	Transistor	AE
	Q4433	9GJ2SA1162	M	Chip TR	AF
	Q4434	9GJ2SA1162	M	Chip TR	AF
	Q4435	9GJ2SA1162	M	Chip TR	AF
	Q4436	9GJ2SA1162	M	Chip TR	AF
	Q4437	9GJ2SC2712	M	Transistor	AE
	Q4438	9GJ2SC2712	M	Transistor	AE
	Q4439	9GJ2SC2712	M	Transistor	AE
	Q4440	9GJ2SC2712	M	Transistor	AE
	Q4441	9GJ2SC2712	M	Transistor	AE
	Q4442	9GJ2SC2712	M	Transistor	AE
	Q4443	9GJ2SC2712	M	Transistor	AE
	Q4701	9GJ2SC2712	M	Transistor	AE
	Q4703	9GJ2SC2712	M	Transistor	AE
	Q4704	9GJ2SA1162	M	Chip TR	AF
	Q4705	9GJ2SC2712	M	Transistor	AE
	Q4706	9GJ2SA1162	M	Chip TR	AF
	Q4707	9GJ2SA1037K	M	Chip TR	AE
	Q4708	9GJ2SC2712	M	Transistor	AE
	Q4709	9GJ2SA1037K	M	Chip TR	AE
	Q4711	9GJ2SC2712	M	Transistor	AE
	Q4712	9GJ2SA1162	M	Chip TR	AF
	Q4717	9GJ2SC2712	M	Transistor	AE
	Q4718	9GJ2SC2712	M	Transistor	AE
	Q4719	9GJ2SC2712	M	Transistor	AE
	Q4720	9GJ2SC2712	M	Transistor	AE
	Q4721	9GJ2SC2712	M	Transistor	AE
	Q4722	9GJ2SA1162	M	Chip TR	AF

DIODES

Mark	Ref. No.	Part No.	★	Description	Code
	D3801	9GJ1SS226	M	Diode	AD
	D3802	9GJ1SS226	M	Diode	AD
	D3803	9GJ1SS226	M	Diode	AD
	D3804	9GJ1SS226	M	Diode	AD
	D3805	9GJ1SS226	M	Diode	AD
	D3806	9GJ1SS226	M	Diode	AD
	D3807	9GJ1SS226	M	Diode	AD
	D3808	9GJ1SS226	M	Diode	AD
	D3809	9GJ1SS226	M	Diode	AD
	D3810	9GJ1SS226	M	Diode	AD
	D3811	9GJ1SS226	M	Diode	AD
	D3812	9GJ1SS226	M	Diode	AD
	D3813	9GJ1SS226	M	Diode	AD
	D3814	9GJ1SS226	M	Diode	AD
	D3815	9GJ1SS226	M	Diode	AD
	D3816	9GJ1SS226	M	Diode	AD
	D3817	9GJ1SS226	M	Diode	AD
	D3818	9GJ1SS226	M	Diode	AD
	D3819	9GJ1SS226	M	Diode	AD
	D3820	9GJ1SS226	M	Diode	AD
	D3821	9GJ1SS226	M	Diode	AD
	D3822	9GJ1SS226	M	Diode	AD
	D3823	9GJ1SS226	M	Diode	AD
	D3824	9GJ1SS226	M	Diode	AD
	D3825	9GJ1SS226	M	Diode	AD
	D3826	9GJ1SS226	M	Diode	AD
	D3827	9GJ1SS226	M	Diode	AD
	D3828	9GJ1SS226	M	Diode	AD
	D3829	9GJ1SS226	M	Diode	AD
	D3830	9GJ1SS226	M	Diode	AD
	D3831	9GJ1SS226	M	Diode	AD
	D3832	9GJ1SS226	M	Diode	AD
	D3833	9GJ1SS226	M	Diode	AD
	D3834	9GJ1SS226	M	Diode	AD
	D3835	9GJ1SS226	M	Diode	AD
	D3836	9GJ1SS226	M	Diode	AD
	D3837	9GJ1SS226	M	Diode	AD
	D3838	9GJ1SS226	M	Diode	AD
	D3839	9GJ1SS226	M	Diode	AD
	D3841	9GJ1SS226	M	Diode	AD
	D3842	9GJ1SS226	M	Diode	AD
	D3843	9GJ1SS226	M	Diode	AD
	D3844	9GJ1SS226	M	Diode	AD
	D3845	9GJ1SS226	M	Diode	AD
	D3848	9GJ1SS226	M	Diode	AD
	D3849	9GJ1SS226	M	Diode	AD
	D3850	9GJ1SS226	M	Diode	AD
	D3852	9GJ1SS226	M	Diode	AD
	D3853	9GJ1SS226	M	Diode	AD
	D3854	9GJ1SS226	M	Diode	AD
	D3855	9GJ1SS181	M	Diode	AE
	D4001	9GJ1SS352	M	Diode(SMD)	AD
	D4002	9GJ1SS352	M	Diode(SMD)	AD
	D4003	9GJ1SS352	M	Diode(SMD)	AD
	D4004	9GJ1SS352	M	Diode(SMD)	AD
	D4005	9GJ1SS352	M	Diode(SMD)	AD
	D4201	9GJ1SS352	M	Diode(SMD)	AD
	D4202	9GJ1SS184	M	Diode(SMD)	AC
	D4203	9GJ1SS352	M	Diode(SMD)	AD
	D4204	9GJ1SS352	M	Diode(SMD)	AD
	D4205	9GJ1SS352	M	Diode(SMD)	AD
	D4206	9GJ1SS352	M	Diode(SMD)	AD
	D4207	9GJ1SS352	M	Diode(SMD)	AD
	D4208	9GJ1SS184	M	Diode(SMD)	AC
	D4209	9GJ1SS352	M	Diode(SMD)	AD
	D4701	9GJ1SS352	M	Diode(SMD)	AD
	D4702	9GJ1SS352	M	Diode(SMD)	AD
	D4705	9GJ1SV232	M	VARI-CAP Diode	AE
	D4706	9GJ1SS352	M	Diode(SMD)	AD
	D4711	9GJ1SV232	M	VARI-CAP Diode	AE
	D4712	9GJ1SS352	M	Diode(SMD)	AD
	D4713	9GJ1SS352	M	Diode(SMD)	AD

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SUB VIDEO ASS'Y (Continued)

PACKAGED CIRCUIT

Mark	Ref. No.	Part No.	★	Description	Code
	X4701	9GJASS1133-A	M	Crystal Resonator	AN

COILS AND FILTERS

Mark	Ref. No.	Part No.	★	Description	Code
	F4001	9GJATF1124-A	M	Filter	AH
	F4002	9GJATF1124-A	M	Filter	AH
	F4003	9GJATF1124-A	M	Filter	AH
	F4004	9GJATF1124-A	M	Filter	AH
	F4005	9GJATF1128-A	M	Filter	AG
	F4006	9GJATF1128-A	M	Filter	AG
	F4007	9GJATF1128-A	M	Filter	AG
	F4401	9GJATF1124-A	M	Filter	AH
	F4402	9GJATF1124-A	M	Filter	AH
	F4404	9GJATF1124-A	M	Filter	AH
	F4701	9GJATF1186	M	Filter	AT
	F4703	9GJATF1124-A	M	Filter	AH
	F4704	9GJATF1124-A	M	Filter	AH
	F4715	9GJATG1063-A	M	Coil	AN
	F4716	9GJVTF1097	M	Chip Solid Inductor	AC
	F4717	9GJVTF1097	M	Chip Solid Inductor	AC
	F4718	9GJVTF1097	M	Chip Solid Inductor	AC
	F4719	9GJVTF1097	M	Chip Solid Inductor	AC
	F4720	9GJVTF1097	M	Chip Solid Inductor	AC
	F4721	9GJVTF1097	M	Chip Solid Inductor	AC
	L4001	9GJLCTA4R7J322	M	Chip Coil	AE
	L4002	9GJLCTA101J322	M	Chip Coil	AE
	L4003	9GJLCTA101J322	M	Chip Coil	AE
	L4004	9GJATC1037	M	Coil	AH
	L4005	9GJLCTA101J322	M	Chip Coil	AE
	L4006	9GJLCTA101J322	M	Chip Coil	AE
	L4007	9GJLCTA150J322	M	Chip Coil	AE
	L4008	9GJLCTA1R8J322	M	Chip Coil	AE
	L4202	9GJLCTA5R6J322	M	Chip Coil	AE
	L4401	9GJLCTA820J322	M	Chip Coil	AE
	L4402	9GJLCTA5R6J322	M	Chip Coil	AE
	L4404	9GJLCTA5R6J322	M	Chip Coil	AE
	L4405	9GJLCTA100J322	M	Chip Coil	AE
	L4406	9GJLCTA4R7J322	M	Chip Coil	AE
	L4407	9GJLCTA4R7J322	M	Chip Coil	AE
	L4408	9GJLCTAR56J322	M	Chip Coil	AE
	L4409	9GJLCTA1R5J322	M	Chip Coil	AE
	L4410	9GJLCTA1R5J322	M	Chip Coil	AE
	L4411	9GJLCTA5R6J322	M	Chip Coil	AE
	L4412	9GJLCTA1R5J322	M	Chip Coil	AE
	L4701	9GJLCTA221J322	M	Chip Coil	AE
	L4702	9GJLCTA221J322	M	Chip Coil	AE
	L4704	9GJLCTA100J322	M	Chip Coil	AE
	L4705	9GJLCTA100J322	M	Chip Coil	AE
	L4706	9GJATG1060	M	Coil	AK
	L4707	9GJLCTA1R2J322	M	Chip Coil	AE
	L4708	9GJLCTA1R2J322	M	Chip Coil	AE
	L4709	9GJLCTA1R2J322	M	Chip Coil	AE
	L4710	9GJLCTA100J322	M	Chip Coil	AE
	L4712	9GJLCTA1R8J322	M	Chip Coil	AE
	L4713	9GJLCTA100J322	M	Chip Coil	AE
	L4714	9GJLCTA100J322	M	Chip Coil	AE
	L4715	9GJLCTA2R2J322	M	Chip Coil	AE
	L4716	9GJLCTA2R2J322	M	Chip Coil	AE
	L4717	9GJLCTA2R2J322	M	Chip Coil	AE
	L4718	9GJQTL1013	M	Chip Solid Inductor	AC
	L4719	9GJQTL1013	M	Chip Solid Inductor	AC
	L4720	9GJQTL1013	M	Chip Solid Inductor	AC
	L4721	9GJQTL1013	M	Chip Solid Inductor	AC
	L4722	9GJQTL1013	M	Chip Solid Inductor	AC
	L4723	9GJQTL1013	M	Chip Solid Inductor	AC
	L4724	9GJQTL1013	M	Chip Solid Inductor	AC
	L4725	9GJQTL1013	M	Chip Solid Inductor	AC
	L4726	9GJQTL1013	M	Chip Solid Inductor	AC
	L4727	9GJQTL1013	M	Chip Solid Inductor	AC
	L4728	9GJQTL1013	M	Chip Solid Inductor	AC
	L4729	9GJQTL1013	M	Chip Solid Inductor	AC
	L4730	9GJQTL1013	M	Chip Solid Inductor	AC
	L4731	9GJQTL1013	M	Chip Solid Inductor	AC
	L4732	9GJQTL1013	M	Chip Solid Inductor	AC
	L4733	9GJQTL1013	M	Chip Solid Inductor	AC
	L4734	9GJQTL1013	M	Chip Solid Inductor	AC
	L4735	9GJATX1035-A	M	Chip Solid Inductor	AC
	L4736	9GJQTL1013	M	Chip Solid Inductor	AC
	L4737	9GJQTL1013	M	Chip Solid Inductor	AC
	L4738	9GJATX1035-A	M	Chip Solid Inductor	AC
	L4739	9GJQTL1013	M	Chip Solid Inductor	AC
	L4740	9GJQTL1013	M	Chip Solid Inductor	AC
	L4741	9GJQTL1013	M	Chip Solid Inductor	AC
	L4742	9GJQTL1013	M	Chip Solid Inductor	AC
	L4743	9GJQTL1013	M	Chip Solid Inductor	AC
	L4744	9GJQTL1013	M	Chip Solid Inductor	AC
	L4745	9GJLCTAR33J322	M	Chip Coil	AE

CONTROLS

Mark	Ref. No.	Part No.	★	Description	Code
	VR3801	9GJVRTS6VS222	M	VR	AG
	VR4001	9GJVRTS6VS474	M	VR	AG
	VR4201	9GJVRTS6VS102	M	VR	AG
	VR4202	9GJVRTS6VS472	M	VR	AG

CAPACITORS

Mark	Ref. No.	Part No.	★	Description	Code
	C3801	9GJCEV470M16	M	Chip Elect.	AF
	C3802	9GJCEV220M16	M	Chip Elect.	AE
	C3803	9GJCEV220M16	M	Chip Elect.	AE
	C3804	9GJCEV470M16	M	Chip Elect.	AF
	C3805	9GJCKSQYF473Z5	M	Ceramic	AC
	C3806	9GJCEV470M16	M	Chip Elect.	AF
	C3807	9GJCEV470M16	M	Chip Elect.	AF
	C3808	9GJCKSQYF473Z5	M	Ceramic	AC
	C3809	9GJCEV470M16	M	Chip Elect.	AF
	C3810	9GJCKSQYB472K5	M	Ceramic	AC
	C3811	9GJCKSQYB103K5	M	Ceramic	AC
	C3812	9GJCKSQYB561K5	M	Ceramic	AB
	C3813	9GJCEVNP1R0M50	M	Chip Elect.(N.P)	AD
	C3814	9GJCEVR10M50	M	Chip Elect.	AC
	C3815	9GJCKSQYB561K5	M	Ceramic	AB
	C3816	9GJCEV470M16	M	Chip Elect.	AF
	C3817	9GJCKSQYF473Z5	M	Ceramic	AC
	C3818	9GJCEV100M16	M	Chip Elect.	AD
	C3819	9GJCEV470M16	M	Chip Elect.	AF
	C3820	9GJCKSQYF103Z5	M	Chip	AC
	C3821	9GJCQPA222J2A	M	PL. Propytene	AD
	C3822	9GJCQMA102J50	M	Mylar Film	AD
	C3823	9GJCQPA331J2A	M	PL.Propytene	AB
	C3824	9GJCEV470M6R3	M	Chip Elect.	AE
	C3825	9GJCKSQYF103Z5	M	Chip	AC
	C3826	9GJCEV100M16	M	Chip Elect.	AD
	C3828	9GJCKSQYF103Z5	M	Chip	AC
	C3829	9GJCKSQYF104Z5	M	Ceramic	AC
	C4001	9GJCKSQYF104Z5	M	Ceramic	AC
	C4002	9GJCEV470M16	M	Chip Elect.	AF
	C4003	9GJCKSQYF104Z5	M	Ceramic	AC
	C4004	9GJCKSQYF104Z5	M	Ceramic	AC
	C4005	9GJCEV101M6R3	M	Chip Elect.	AF
	C4006	9GJCEV101M6R3	M	Chip Elect.	AF
	C4007	9GJCCSQCH121J5	M	Chip	AC
	C4008	9GJCCSQCH121J5	M	Chip	AC
	C4009	9GJCCSQCH820J5	M	Chip	AC
	C4010	9GJCEV100M16	M	Chip Elect.	AD
	C4011	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4012	9GJCKSQYF104Z5	M	Ceramic	AC
	C4013	9GJCKSQYF104Z5	M	Ceramic	AC
	C4014	9GJCKSQYF104Z5	M	Ceramic	AC
	C4015	9GJCEV220M16	M	Chip Elect.	AE
	C4016	9GJCKSQYF104Z5	M	Ceramic	AC
	C4017	9GJCCSQSL101J5	M	Chip	AH
	C4018	9GJCCSQCH121J5	M	Chip	AC
	C4019	9GJCCSQCH121J5	M	Chip	AC
	C4020	9GJCEV220M16	M	Chip Elect.	AE
	C4021	9GJCCSQCH121J5	M	Chip	AC
	C4022	9GJCCSQCH121J5	M	Chip	AC
	C4023	9GJCEV220M16	M	Chip Elect.	AE

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C4024	9GJCKSQYF104Z5	M	Ceramic	AC
	C4025	9GJCEV220M16	M	Chip Elect.	AE
	C4026	9GJCKSQYF104Z5	M	Ceramic	AC
	C4027	9GJCEV220M16	M	Chip Elect.	AE
	C4028	9GJCKSQYF104Z5	M	Ceramic	AC
	C4029	9GJCEV470M16	M	Chip Elect.	AF
	C4030	9GJCKSQYF104Z5	M	Ceramic	AC
	C4031	9GJCEV470M16	M	Chip Elect.	AF
	C4032	9GJCKSQYF104Z5	M	Ceramic	AC
	C4033	9GJCKSQYF104Z5	M	Ceramic	AC
	C4034	9GJCKSQYF104Z5	M	Ceramic	AC
	C4035	9GJCKSQYF104Z5	M	Ceramic	AC
	C4036	9GJCKSQYF104Z5	M	Ceramic	AC
	C4037	9GJCEV101M6R3	M	Chip Elect.	AF
	C4038	9GJCKSQYF104Z5	M	Ceramic	AC
	C4039	9GJCEV101M6R3	M	Chip Elect.	AF
	C4040	9GJCKSQYF104Z5	M	Ceramic	AC
	C4041	9GJCEV101M6R3	M	Chip Elect.	AF
	C4042	9GJCKSQYF104Z5	M	Ceramic	AC
	C4043	9GJCKSQYF104Z5	M	Ceramic	AC
	C4044	9GJCKSQYF104Z5	M	Ceramic	AC
	C4045	9GJCEV101M6R3	M	Chip Elect.	AF
	C4046	9GJCKSQYF104Z5	M	Ceramic	AC
	C4047	9GJCKSQYF104Z5	M	Ceramic	AC
	C4048	9GJCKSQYF104Z5	M	Ceramic	AC
	C4049	9GJCKSQYF104Z5	M	Ceramic	AC
	C4050	9GJCKSQYF104Z5	M	Ceramic	AC
	C4051	9GJCKSQYF104Z5	M	Ceramic	AC
	C4052	9GJCKSQYF104Z5	M	Ceramic	AC
	C4053	9GJCKSQYF104Z5	M	Ceramic	AC
	C4054	9GJCKSQYF104Z5	M	Ceramic	AC
	C4055	9GJCKSQYF104Z5	M	Ceramic	AC
	C4056	9GJCKSQYF104Z5	M	Ceramic	AC
	C4057	9GJCKSQYF104Z5	M	Ceramic	AC
	C4058	9GJCEV101M6R3	M	Chip Elect.	AF
	C4059	9GJCKSQYF104Z5	M	Ceramic	AC
	C4060	9GJCKSQYB822K5	M	Ceramic	AC
	C4061	9GJCEV1R0M50	M	Chip Elect.	AD
	C4062	9GJCEV470M16	M	Chip Elect.	AF
	C4063	9GJCKSQYF104Z5	M	Ceramic	AC
	C4064	9GJCKSQYB102K5	M	Chip	AC
	C4065	9GJCKSQYF104Z5	M	Ceramic	AC
	C4067	9GJCEV101M6R3	M	Chip Elect.	AF
	C4068	9GJCKSQYF104Z5	M	Ceramic	AC
	C4070	9GJCKSQYF104Z5	M	Ceramic	AC
	C4071	9GJCEV101M6R3	M	Chip Elect.	AF
	C4072	9GJCKSQYF104Z5	M	Ceramic	AC
	C4073	9GJCKSQYB102K5	M	Chip	AC
	C4074	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4075	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4076	9GJCCSQCH121J5	M	Chip	AC
	C4077	9GJCCSQCH121J5	M	Chip	AC
	C4078	9GJCCSQCH121J5	M	Chip	AC
	C4079	9GJCCSQCH121J5	M	Chip	AC
	C4080	9GJCCSQCH470J5	M	Chip	AC
	C4081	9GJCCSQCH470J5	M	Chip	AC
	C4082	9GJCEV470M16	M	Chip Elect.	AF
	C4083	9GJCCSQCH181J5	M	Chip	AH
	C4084	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4085	9GJCEV470M16	M	Chip Elect.	AF
	C4086	9GJCKSQYF473Z5	M	Ceramic	AC
	C4090	9GJCKSQYF104Z5	M	Ceramic	AC
	C4093	9GJCEV470M6R3	M	Chip Elect.	AE
	C4094	9GJCKSQYF103Z5	M	Chip	AC
	C4095	9GJCKSQYF103Z5	M	Chip	AC
	C4097	9GJCKSQYF103Z5	M	Chip	AC
	C4201	9GJCEVR33M50	M	Chip Elect.	AD
	C4202	9GJCEVR33M50	M	Chip Elect.	AD
	C4203	9GJCKSQYF473Z5	M	Ceramic	AC
	C4204	9GJCKSQYF473Z5	M	Ceramic	AC
	C4206	9GJCEV101M16	M	Chip Elect.	AD
	C4207	9GJCEV101M16	M	Chip Elect.	AD
	C4208	9GJCEVNPR33M50	M	Chip Elect.(N.P)	AD
	C4209	9GJCEVNPR33M50	M	Chip Elect.(N.P)	AD
	C4210	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C4211	9GJCEVNP2R2M35	M	Chip Elect.(N.P)	AF
	C4212	9GJCEV1R0M50	M	Chip Elect.	AD
	C4213	9GJCEV1R0M50	M	Chip Elect.	AD
	C4214	9GJCFHSQ103J16	M	Chip Film	AD
	C4215	9GJCKSQYF103Z5	M	Chip	AC
	C4216	9GJCEV1R0M50	M	Chip Elect.	AD
	C4217	9GJCEVR47M50	M	Chip Elect.	AD
	C4218	9GJCKSQYF103Z5	M	Chip	AC
	C4219	9GJCEV2R2M50	M	Chip Elect.	AD
	C4222	9GJCCSQCH101J5	M	Chip	AC
	C4223	9GJCKSQYF473Z5	M	Ceramic	AC
	C4224	9GJCKSQYF473Z5	M	Ceramic	AC
	C4225	9GJCEV101M16	M	Chip Elect.	AD
	C4226	9GJCEV220M6R3	M	Chip Elect.	AD
	C4227	9GJCEV470M16	M	Chip Elect.	AF
	C4228	9GJCCSQCH101J5	M	Chip	AC
	C4229	9GJCCSQCH330J5	M	Chip	AC
	C4230	9GJCEV101M16	M	Chip Elect.	AD
	C4231	9GJCEV100M50	M	Chip Elect.	AE
	C4232	9GJCKSQYB102K5	M	Chip	AC
	C4233	9GJCEV100M16	M	Chip Elect.	AD
	C4234	9GJCEV100M16	M	Chip Elect.	AD
	C4235	9GJCCSQCH101J5	M	Chip	AC
	C4236	9GJCEV101M16	M	Chip Elect.	AD
	C4237	9GJCEV101M6R3	M	Chip Elect.	AF
	C4238	9GJCKSQYF473Z5	M	Ceramic	AC
	C4240	9GJCKSQYF473Z5	M	Ceramic	AC
	C4241	9GJCEV101M16	M	Chip Elect.	AD
	C4242	9GJCKSQYF103Z5	M	Chip	AC
	C4243	9GJCCSQCH101J5	M	Chip	AC
	C4402	9GJCCSQCH560J5	M	Ceramic	AC
	C4403	9GJCFHSQ103J16	M	Chip Film	AD
	C4404	9GJCKSQYF103Z5	M	Chip	AC
	C4405	9GJCKSQYF103Z5	M	Chip	AC
	C4406	9GJCKSQYF103Z5	M	Chip	AC
	C4407	9GJCKSQYF103Z5	M	Chip	AC
	C4408	9GJCKSQYF103Z5	M	Chip	AC
	C4409	9GJCKSQYF103Z5	M	Chip	AC
	C4410	9GJCCSQCH470J5	M	Chip	AC
	C4411	9GJCFHSQ103J16	M	Chip Film	AD
	C4412	9GJCKSQYF103Z5	M	Chip	AC
	C4414	9GJCKSQYF103Z5	M	Chip	AC
	C4415	9GJCEV100M16	M	Chip Elect.	AD
	C4416	9GJCKSQYF103Z5	M	Chip	AC
	C4417	9GJCKSQYF473Z5	M	Ceramic	AC
	C4418	9GJCKSQYB152K5	M	Ceramic	AB
	C4419	9GJCFHSQ103J16	M	Chip Film	AD
	C4420	9GJCKSQYF103Z5	M	Chip	AC
	C4421	9GJCKSQYF473Z5	M	Ceramic	AC
	C4422	9GJCKSQYF103Z5	M	Chip	AC
	C4423	9GJCKSQYB102K5	M	Chip	AC
	C4424	9GJCCSQSL221J5	M	Chip	AH
	C4425	9GJCEV100M16	M	Chip Elect.	AD
	C4426	9GJCEV100M16	M	Chip Elect.	AD
	C4427	9GJCEV100M16	M	Chip Elect.	AD
	C4428	9GJCEV100M16	M	Chip Elect.	AD
	C4429	9GJCCSQCH330J5	M	Chip	AC
	C4430	9GJCCSQCH100D5	M	Chip	AC
	C4431	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C4432	9GJCCSQCH100D5	M	Chip	AC
	C4433	9GJCCSQCH100D5	M	Chip	AC
	C4434	9GJCCSQCH100D5	M	Chip	AC
	C4435	9GJCKSQYF473Z5	M	Ceramic	AC
	C4436	9GJCEV470M16	M	Chip Elect.	AF
	C4437	9GJCKSQYF473Z5	M	Ceramic	AC
	C4438	9GJCEV100M16	M	Chip Elect.	AD
	C4439	9GJCKSQYF473Z5	M	Ceramic	AC
	C4440	9GJCEV101M16	M	Chip Elect.	AD
	C4441	9GJCCSQCH271J5	M	Chip Ceramic	AC
	C4442	9GJCCSQCH151J5	M	Chip	AC
	C4443	9GJCCSQCH101J5	M	Chip	AC
	C4444	9GJCKSQYF473Z5	M	Ceramic	AC
	C4445	9GJCKSQYF473Z5	M	Ceramic	AC

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	C4446	9GJCEV470M16	M	Chip Elect.	AF
	C4447	9GJCKSQYF473Z5	M	Ceramic	AC
	C4448	9GJCKSQYF103Z5	M	Chip	AC
	C4449	9GJCKSQYF473Z5	M	Ceramic	AC
	C4450	9GJCEV470M16	M	Chip Elect.	AF
	C4451	9GJCKSQYF473Z5	M	Ceramic	AC
	C4452	9GJCKSQYF473Z5	M	Ceramic	AC
	C4453	9GJCCSQSL560J5	M	Chip	AH
	C4454	9GJCEV101M16	M	Chip Elect.	AD
	C4455	9GJCEV101M16	M	Chip Elect.	AD
	C4456	9GJCEV101M16	M	Chip Elect.	AD
	C4457	9GJCEV101M16	M	Chip Elect.	AD
	C4458	9GJCEV101M16	M	Chip Elect.	AD
	C4459	9GJCEV470M16	M	Chip Elect.	AF
	C4460	9GJCEV470M16	M	Chip Elect.	AF
	C4461	9GJCCSQCH390J5	M	Chip	AC
	C4462	9GJCEV101M16	M	Chip Elect.	AD
	C4463	9GJCKSQYB224K1	M	Ceramic	AC
	C4464	9GJCKSQYB224K1	M	Ceramic	AC
	C4465	9GJCKSQYB224K1	M	Ceramic	AC
	C4466	9GJCKSQYB224K1	M	Ceramic	AC
	C4467	9GJCFHSQ103J16	M	Chip Film	AD
	C4468	9GJCCSQCH101J5	M	Chip	AC
	C4469	9GJCCSQCH101J5	M	Chip	AC
	C4470	9GJCCSQCH101J5	M	Chip	AC
	C4471	9GJCCSQCH101J5	M	Chip	AC
	C4472	9GJCCSQCH101J5	M	Chip	AC
	C4474	9GJCCSQCH270J5	M	Chip	AB
	C4475	9GJCKSQYF103Z5	M	Chip	AC
	C4476	9GJCEV470M16	M	Chip Elect.	AF
	C4478	9GJCCSQCH151J5	M	Chip	AC
	C4480	9GJCCSQCH181J5	M	Chip	AH
	C4481	9GJCCSQCH8R0D5	M	Chip	AA
	C4482	9GJCCSQCH121J5	M	Chip	AC
	C4701	9GJCEV470M6R3	M	Chip Elect.	AE
	C4702	9GJCEV100M16	M	Chip Elect.	AD
	C4703	9GJCEV100M16	M	Chip Elect.	AD
	C4704	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4705	9GJCEV4R7M35	M	Chip Elect.	AD
	C4706	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4707	9GJCEV4R7M35	M	Chip Elect.	AD
	C4708	9GJCKSQYF103Z5	M	Chip	AC
	C4709	9GJCKSQYF104Z5	M	Ceramic	AC
	C4710	9GJCKSQYF103Z5	M	Chip	AC
	C4711	9GJCEV2R2M50	M	Chip Elect.	AD
	C4712	9GJCKSQYF333Z5	M	Chip	AC
	C4713	9GJCKSQYF333Z5	M	Chip	AC
	C4714	9GJCKSQYF104Z5	M	Ceramic	AC
	C4715	9GJCEV100M16	M	Chip Elect.	AD
	C4716	9GJCKSQYF104Z5	M	Ceramic	AC
	C4717	9GJCEV100M16	M	Chip Elect.	AD
	C4718	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4719	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4720	9GJCKSQYF104Z5	M	Ceramic	AC
	C4721	9GJCCSQCH150J5	M	Chip Ceramic	AC
	C4722	9GJCKSQYF104Z5	M	Ceramic	AC
	C4725	9GJCKSQYF104Z5	M	Ceramic	AC
	C4726	9GJCKSQYF104Z5	M	Ceramic	AC
	C4727	9GJCKSQYF104Z5	M	Ceramic	AC
	C4728	9GJCKSQYF104Z5	M	Ceramic	AC
	C4729	9GJCKSQYF104Z5	M	Ceramic	AC
	C4730	9GJCCSQCH390J5	M	Chip	AC
	C4731	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C4732	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C4742	9GJCKSQYF473Z5	M	Ceramic	AC
	C4743	9GJCKSQYF103Z5	M	Chip	AC
	C4744	9GJCEV4R7M35	M	Chip Elect.	AD
	C4746	9GJCCSQCH270J5	M	Chip	AB
	C4747	9GJCCSQCH331J5	M	Chip	AC
	C4748	9GJCCSQCH680J5	M	Chip	AC
	C4749	9GJCCSQCH680J5	M	Chip	AC
	C4750	9GJCKSQYF104Z5	M	Ceramic	AC
	C4752	9GJCKSQYF104Z5	M	Ceramic	AC
	C4753	9GJCKSQYF104Z5	M	Ceramic	AC
	C4754	9GJCKSQYF104Z5	M	Ceramic	AC
	C4755	9GJCKSQYF104Z5	M	Ceramic	AC
	C4756	9GJCKSQYF104Z5	M	Ceramic	AC
	C4759	9GJCKSQYF104Z5	M	Ceramic	AC
	C4760	9GJCCSQCH331J5	M	Chip	AC
	C4761	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4762	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4763	9GJCKSQYB272K5	M	Ceramic	AC
	C4764	9GJCKSQYF103Z5	M	Chip	AC
	C4765	9GJCEV100M16	M	Chip Elect.	AD
	C4766	9GJCKSQYF104Z5	M	Ceramic	AC
	C4767	9GJCKSQYF104Z5	M	Ceramic	AC
	C4768	9GJCKSQYF104Z5	M	Ceramic	AC
	C4769	9GJCKSQYF104Z5	M	Ceramic	AC
	C4770	9GJCKSQYF104Z5	M	Ceramic	AC
	C4771	9GJCCSQCH560J5	M	Ceramic	AC
	C4772	9GJCCSQCH100D5	M	Chip	AC
	C4773	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4774	9GJCCSQCH560J5	M	Ceramic	AC
	C4775	9GJCCSQCH100D5	M	Chip	AC
	C4776	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4777	9GJCEV470M6R3	M	Chip Elect.	AE
	C4778	9GJCCSQCH560J5	M	Ceramic	AC
	C4779	9GJCCSQCH100D5	M	Chip	AC
	C4780	9GJCCSQCH221J5	M	Chip Ceramic	AC
	C4781	9GJCKSQYF104Z5	M	Ceramic	AC
	C4782	9GJCKSQYF104Z5	M	Ceramic	AC
	C4783	9GJCKSQYF104Z5	M	Ceramic	AC
	C4784	9GJCKSQYF104Z5	M	Ceramic	AC
	C4785	9GJCEV220M16	M	Chip Elect.	AE
	C4786	9GJCKSQYF104Z5	M	Ceramic	AC
	C4787	9GJCEV220M16	M	Chip Elect.	AE
	C4788	9GJCKSQYF104Z5	M	Ceramic	AC
	C4789	9GJCEV220M16	M	Chip Elect.	AE
	C4790	9GJCKSQYF104Z5	M	Ceramic	AC
	C4791	9GJCEV220M16	M	Chip Elect.	AE
	C4792	9GJCKSQYF104Z5	M	Ceramic	AC
	C4793	9GJCKSQYF104Z5	M	Ceramic	AC
	C4794	9GJCKSQYF104Z5	M	Ceramic	AC
	C4795	9GJCKSQYF104Z5	M	Ceramic	AC
	C4796	9GJCKSQYF104Z5	M	Ceramic	AC
	C4797	9GJCKSQYF104Z5	M	Ceramic	AC
	C4798	9GJCKSQYF104Z5	M	Ceramic	AC
	C4799	9GJCKSQYF104Z5	M	Ceramic	AC
	C4800	9GJCKSQYF104Z5	M	Ceramic	AC
	C4804	9GJCKSQYF104Z5	M	Ceramic	AC
	C4805	9GJCCSQCH220J5	M	Chip Ceramic	AC
	C4806	9GJCKSQYF103Z5	M	Chip	AC
	C4808	9GJCKSQYF104Z5	M	Ceramic	AC
	C4809	9GJCKSQYF104Z5	M	Ceramic	AC
	C4810	9GJCEV100M16	M	Chip Elect.	AD
	C4811	9GJCCSQCH8R0D5	M	Chip	AA
	C4812	9GJCEV220M16	M	Chip Elect.	AE
	C4813	9GJCKSQYF104Z5	M	Ceramic	AC
	C4814	9GJCEV220M16	M	Chip Elect.	AE
	C4815	9GJCKSQYF104Z5	M	Ceramic	AC
	C4816	9GJCEV100M16	M	Chip Elect.	AD
	C4817	9GJCEV100M16	M	Chip Elect.	AD
	C4818	9GJCKSQYF104Z5	M	Ceramic	AC
	C4819	9GJCEV220M16	M	Chip Elect.	AE
	C4820	9GJCKSQYF103Z5	M	Chip	AC
	C4821	9GJCCSQCH180J5	M	Chip	AC
	C4822	9GJCCSQCH271J5	M	Chip Ceramic	AC
	C4823	9GJCCSQCH180J5	M	Chip	AC
	C4824	9GJCCSQCH271J5	M	Chip Ceramic	AC
	C4825	9GJCCSQCH180J5	M	Chip	AC
	C4826	9GJCCSQCH271J5	M	Chip Ceramic	AC
	C4827	9GJCKSQYF104Z5	M	Ceramic	AC
	C4828	9GJCKSQYF104Z5	M	Ceramic	AC
	C4829	9GJCKSQYF104Z5	M	Ceramic	AC
	C4830	9GJCKSQYF104Z5	M	Ceramic	AC
	C4831	9GJCKSQYF104Z5	M	Ceramic	AC
	C4832	9GJCKSQYF104Z5	M	Ceramic	AC
	C4833	9GJCKSQYF104Z5	M	Ceramic	AC

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Mark	Ref. No.	Part No.	★	Description	Code
	C4834	9GJCKSQYF104Z5	M	Ceramic	AC
	C4835	9GJCCSQCH100D5	M	Chip	AC
	C4836	9GJCCSQCH100D5	M	Chip	AC
	C4838	9GJCCSQCH100D5	M	Chip	AC
	C4839	9GJCCSQCH680J5	M	Chip	AC
	C4840	9GJCCSQCH101J5	M	Chip	AC
	C4842	9GJCKSQYF104Z5	M	Ceramic	AC
	C4843	9GJCKSQYB562K5	M	Ceramic	AB
	C4844	9GJCKSQYB562K5	M	Ceramic	AB
	C4846	9GJCEV470M16	M	Chip Elect.	AF
	C4847	9GJCKSQYF104Z5	M	Ceramic	AC
	C4848	9GJCKSQYF104Z5	M	Ceramic	AC
	C4849	9GJCEV470M16	M	Chip Elect.	AF
	C4850	9GJCKSQYF104Z5	M	Ceramic	AC

RESISTORS

Mark	Ref. No.	Part No.	★	Description	Code
	R3801	9GJRS1/16S101J	M	Chip	AA
	R3802	9GJRS1/16S153J	M	Chip	AB
	R3803	9GJRS1/16S103J	M	Chip	AA
	R3804	9GJRS1/16S122J	M	Chip	AB
	R3805	9GJRS1/16S123J	M	Chip	AA
	R3806	9GJRS1/16S153J	M	Chip	AB
	R3807	9GJRS1/16S123J	M	Chip	AA
	R3808	9GJRS1/16S153J	M	Chip	AB
	R3809	9GJRS1/16S104J	M	Chip	AA
	R3810	9GJRS1/16S104J	M	Chip	AA
	R3811	9GJRS1/16S104J	M	Chip	AA
	R3812	9GJRS1/16S104J	M	Chip	AA
	R3813	9GJRS1/16S101J	M	Chip	AA
	R3814	9GJRS1/16S104J	M	Chip	AA
	R3815	9GJRS1/16S101J	M	Chip	AA
	R3816	9GJRS1/16S104J	M	Chip	AA
	R3817	9GJRS1/16S101J	M	Chip	AA
	R3818	9GJRS1/16S153J	M	Chip	AB
	R3819	9GJRS1/16S123J	M	Chip	AA
	R3820	9GJRS1/16S103J	M	Chip	AA
	R3821	9GJRS1/16S473J	M	Chip	AA
	R3822	9GJRS1/16S152J	M	Chip	AA
	R3823	9GJRS1/16S103J	M	Chip	AA
	R3824	9GJRS1/16S223J	M	Chip	AA
	R3825	9GJRS1/16S223J	M	Chip	AA
	R3826	9GJRS1/16S561J	M	Chip	AA
	R3827	9GJRS1/16S822J	M	Chip	AA
	R3828	9GJRS1/16S272J	M	Chip	AB
	R3829	9GJRS1/16S561J	M	Chip	AA
	R3830	9GJRS1/16S561J	M	Chip	AA
	R3831	9GJRS1/16S101J	M	Chip	AA
	R3832	9GJRS1/16S122J	M	Chip	AB
	R3833	9GJRS1/16S122J	M	Chip	AB
	R3834	9GJRS1/16S101J	M	Chip	AA
	R3835	9GJRS1/16S821J	M	Chip	AA
	R3836	9GJRS1/16S392J	M	Chip	AB
	R3837	9GJRS1/16S101J	M	Chip	AA
	R3838	9GJRS1/16S101J	M	Chip	AA
	R3839	9GJRS1/16S101J	M	Chip	AA
	R3840	9GJRS1/16S101J	M	Chip	AA
	R3841	9GJRS1/16S101J	M	Chip	AA
	R3842	9GJRS1/16S101J	M	Chip	AA
	R3843	9GJRS1/16S101J	M	Chip	AA
	R3844	9GJRS1/16S101J	M	Chip	AA
	R3845	9GJRS1/16S104J	M	Chip	AA
	R3846	9GJRS1/16S563J	M	Chip	AA
	R3847	9GJRS1/16S333J	M	Chip	AA
	R3848	9GJRS1/16S472J	M	Chip	AA
	R3849	9GJRS1/16S562J	M	Chip	AA
	R3850	9GJRS1/16S183J	M	Chip	AB
	R3851	9GJRS1/16S101J	M	Chip	AA
	R3852	9GJRS1/16S101J	M	Chip	AA
	R3853	9GJRS1/16S101J	M	Chip	AA
	R3854	9GJRS1/16S101J	M	Chip	AA
	R3855	9GJRS1/16S101J	M	Chip	AA
	R3856	9GJRS1/16S222J	M	Chip	AA
	R3857	9GJRS1/16S222J	M	Chip	AA
	R3858	9GJRS1/16S101J	M	Chip	AA
	R3859	9GJRS1/16S222J	M	Chip	AA
	R3860	9GJRS1/16S222J	M	Chip	AA
	R3861	9GJRS1/16S152J	M	Chip	AA
	R3862	9GJRS1/16S182J	M	Chip	AA
	R3863	9GJRS1/16S222J	M	Chip	AA
	R3864	9GJRS1/16S101J	M	Chip	AA
	R3865	9GJRS1/16S101J	M	Chip	AA
	R3866	9GJRS1/16S101J	M	Chip	AA
	R3867	9GJRS1/16S101J	M	Chip	AA
	R3868	9GJRS1/16S101J	M	Chip	AA
	R3869	9GJRS1/16S101J	M	Chip	AA
	R3870	9GJRS1/16S101J	M	Chip	AA
	R3871	9GJRS1/16S101J	M	Chip	AA
	R3872	9GJRS1/16S101J	M	Chip	AA
	R3873	9GJRS1/16S101J	M	Chip	AA
	R3874	9GJRS1/16S101J	M	Chip	AA
	R3875	9GJRS1/16S101J	M	Chip	AA
	R3876	9GJRS1/16S101J	M	Chip	AA
	R3877	9GJRS1/16S470J	M	Chip	AA
	R3878	9GJRS1/16S470J	M	Chip	AA
	R3879	9GJRS1/16S470J	M	Chip	AA
	R3880	9GJRS1/16S101J	M	Chip	AA
	R3881	9GJRS1/16S101J	M	Chip	AA
	R3882	9GJRS1/16S101J	M	Chip	AA
	R3883	9GJRS1/16S101J	M	Chip	AA
	R3884	9GJRS1/16S101J	M	Chip	AA
	R3885	9GJRS1/16S101J	M	Chip	AA
	R3886	9GJRS1/16S101J	M	Chip	AA
	R3887	9GJRS1/16S101J	M	Chip	AA
	R3888	9GJRS1/16S101J	M	Chip	AA
	R3889	9GJRS1/16S470J	M	Chip	AA
	R3890	9GJRS1/16S101J	M	Chip	AA
	R3891	9GJRS1/16S101J	M	Chip	AA
	R3892	9GJRS1/16S101J	M	Chip	AA
	R3893	9GJRS1/16S101J	M	Chip	AA
	R3894	9GJRS1/16S101J	M	Chip	AA
	R3895	9GJRS1/16S101J	M	Chip	AA
	R3896	9GJRS1/16S101J	M	Chip	AA
	R3897	9GJRS1/16S470J	M	Chip	AA
	R3898	9GJRS1/16S470J	M	Chip	AA
	R3899	9GJRS1/16S470J	M	Chip	AA
	R3900	9GJRS1/16S101J	M	Chip	AA
	R3901	9GJRS1/16S101J	M	Chip	AA
	R3902	9GJRS1/16S101J	M	Chip	AA
	R3903	9GJRS1/16S101J	M	Chip	AA
	R3904	9GJRS1/16S101J	M	Chip	AA
	R3905	9GJRS1/16S101J	M	Chip	AA
	R3906	9GJRS1/16S101J	M	Chip	AA
	R3907	9GJRS1/16S101J	M	Chip	AA
	R3908	9GJRS1/16S101J	M	Chip	AA
	R3909	9GJRS1/16S101J	M	Chip	AA
	R3910	9GJRS1/16S101J	M	Chip	AA
	R3911	9GJRS1/16S101J	M	Chip	AA
	R3912	9GJRS1/16S101J	M	Chip	AA
	R3913	9GJRS1/16S101J	M	Chip	AA
	R3914	9GJRS1/16S122J	M	Chip	AB
	R3915	9GJRS1/16S101J	M	Chip	AA
	R3916	9GJRS1/16S472J	M	Chip	AA
	R3917	9GJRS1/16S562J	M	Chip	AA
	R3918	9GJRS1/16S101J	M	Chip	AA
	R3919	9GJRS1/16S101J	M	Chip	AA
	R3920	9GJRS1/16S101J	M	Chip	AA
	R3921	9GJRS1/16S101J	M	Chip	AA
	R3922	9GJRS1/16S101J	M	Chip	AA
	R3923	9GJRS1/16S101J	M	Chip	AA
	R3924	9GJRS1/16S101J	M	Chip	AA
	R3925	9GJRS1/16S101J	M	Chip	AA
	R3926	9GJRS1/16S152J	M	Chip	AA
	R3927	9GJRS1/16S101J	M	Chip	AA
	R3931	9GJRS1/16S332J	M	Chip	AA
	R3932	9GJRS1/16S101J	M	Chip	AA
	R3933	9GJRS16S5601D	M	Chip	AA
	R3934	9GJRS1/16S101J	M	Chip	AA

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R3935	9GJRS1/16S123J	M	Chip	AA
	R3936	9GJRS1/16S912J	M	Chip	AA
	R3937	9GJRS1/16S102J	M	Chip	AA
	R3938	9GJRS1/16S272J	M	Chip	AB
	R3939	9GJRS1/16S272J	M	Chip	AB
	R3940	9GJRS1/16S912J	M	Chip	AA
	R3941	9GJRS1/16S123J	M	Chip	AA
	R3942	9GJRS1/16S101J	M	Chip	AA
	R3943	9GJRS1/16S101J	M	Chip	AA
	R3944	9GJRS1/16S222J	M	Chip	AA
	R3945	9GJRS1/16S101J	M	Chip	AA
	R3948	9GJRS1/16S392J	M	Chip	AB
	R3951	9GJRS1/16S0R0J	M	Chip	AA
	R4001	9GJRS1/16S101J	M	Chip	AA
	R4002	9GJRS1/16S101J	M	Chip	AA
	R4003	9GJRS1/16S162J	M	Chip	AB
	R4004	9GJRS1/16S151J	M	Chip	AB
	R4005	9GJRS1/16S681J	M	Chip	AA
	R4006	9GJRS1/16S182J	M	Chip	AA
	R4007	9GJRS1/16S224J	M	Chip	AA
	R4008	9GJRS1/16S152J	M	Chip	AA
	R4009	9GJRS1/16S101J	M	Chip	AA
	R4010	9GJRS1/16S222J	M	Chip	AA
	R4011	9GJRS1/16S222J	M	Chip	AA
	R4012	9GJRS1/16S223J	M	Chip	AA
	R4013	9GJRS1/16S223J	M	Chip	AA
	R4014	9GJRS1/16S101J	M	Chip	AA
	R4015	9GJRS1/16S820J	M	Chip	AA
	R4016	9GJRS1/16S111J	M	Chip	AA
	R4017	9GJRS1/16S820J	M	Chip	AA
	R4018	9GJRS1/16S152J	M	Chip	AA
	R4019	9GJRS1/16S101J	M	Chip	AA
	R4020	9GJRS1/16S101J	M	Chip	AA
	R4021	9GJRS1/16S162J	M	Chip	AB
	R4022	9GJRS1/16S561J	M	Chip	AA
	R4023	9GJRS1/16S101J	M	Chip	AA
	R4024	9GJRS1/16S222J	M	Chip	AA
	R4025	9GJRS1/16S821J	M	Chip	AA
	R4026	9GJRS1/16S821J	M	Chip	AA
	R4027	9GJRS1/16S0R0J	M	Chip	AA
	R4028	9GJRS1/16S182J	M	Chip	AA
	R4029	9GJRS1/16S101J	M	Chip	AA
	R4030	9GJRS1/16S101J	M	Chip	AA
	R4031	9GJRS1/16S162J	M	Chip	AB
	R4032	9GJRS1/16S561J	M	Chip	AA
	R4033	9GJRS1/16S101J	M	Chip	AA
	R4034	9GJRS1/16S222J	M	Chip	AA
	R4035	9GJRS1/16S821J	M	Chip	AA
	R4036	9GJRS1/16S821J	M	Chip	AA
	R4037	9GJRS1/16S0R0J	M	Chip	AA
	R4038	9GJRS1/16S182J	M	Chip	AA
	R4039	9GJRS1/16S101J	M	Chip	AA
	R4040	9GJRS1/16S392J	M	Chip	AB
	R4041	9GJRS1/16S272J	M	Chip	AB
	R4042	9GJRS1/16S272J	M	Chip	AB
	R4043	9GJRS1/16S562J	M	Chip	AA
	R4044	9GJRS1/16S392J	M	Chip	AB
	R4045	9GJRS1/16S101J	M	Chip	AA
	R4046	9GJRS1/16S101J	M	Chip	AA
	R4047	9GJRS1/16S101J	M	Chip	AA
	R4048	9GJRS1/16S101J	M	Chip	AA
	R4049	9GJRS1/16S820J	M	Chip	AA
	R4050	9GJRS1/16S111J	M	Chip	AA
	R4051	9GJRS1/16S820J	M	Chip	AA
	R4052	9GJRS1/16S332J	M	Chip	AA
	R4053	9GJRS1/16S332J	M	Chip	AA
	R4054	9GJRS1/16S472J	M	Chip	AA
	R4055	9GJRS1/16S183J	M	Chip	AB
	R4056	9GJRS1/16S472J	M	Chip	AA
	R4057	9GJRS1/16S183J	M	Chip	AB
	R4058	9GJRS1/16S101J	M	Chip	AA
	R4059	9GJRS1/16S472J	M	Chip	AA
	R4060	9GJRS1/16S682J	M	Chip	AA
	R4061	9GJRS1/16S243J	M	Chip	AA
	R4062	9GJRS1/16S754J	M	Chip	AA
	R4063	9GJRS1/16S153J	M	Chip	AB
	R4064	9GJRS1/16S393J	M	Chip	AA
	R4065	9GJRS1/16S101J	M	Chip	AA
	R4066	9GJRS1/16S122J	M	Chip	AB
	R4067	9GJRS1/16S101J	M	Chip	AA
	R4068	9GJRS1/16S101J	M	Chip	AA
	R4069	9GJRS1/16S101J	M	Chip	AA
	R4070	9GJRS1/16S472J	M	Chip	AA
	R4071	9GJRS1/16S102J	M	Chip	AA
	R4072	9GJRS1/16S102J	M	Chip	AA
	R4073	9GJRS1/16S101J	M	Chip	AA
	R4074	9GJRS1/16S102J	M	Chip	AA
	R4076	9GJRS1/16S102J	M	Chip	AA
	R4078	9GJRS1/16S103J	M	Chip	AA
	R4079	9GJRS1/16S103J	M	Chip	AA
	R4080	9GJRS1/16S272J	M	Chip	AB
	R4081	9GJRS1/16S101J	M	Chip	AA
	R4082	9GJRS1/16S432J	M	Chip	AA
	R4083	9GJRS1/16S101J	M	Chip	AA
	R4084	9GJRS1/16S101J	M	Chip	AA
	R4085	9GJRS1/16S432J	M	Chip	AA
	R4086	9GJRS1/16S101J	M	Chip	AA
	R4087	9GJRS1/16S101J	M	Chip	AA
	R4088	9GJRS1/16S103J	M	Chip	AA
	R4089	9GJRS1/16S103J	M	Chip	AA
	R4090	9GJRS1/16S472J	M	Chip	AA
	R4091	9GJRS1/16S101J	M	Chip	AA
	R4092	9GJRS1/16S103J	M	Chip	AA
	R4093	9GJRS1/16S103J	M	Chip	AA
	R4094	9GJRS1/16S472J	M	Chip	AA
	R4095	9GJRS1/16S471J	M	Chip	AA
	R4096	9GJRS1/16S392J	M	Chip	AB
	R4097	9GJRS1/16S0R0J	M	Chip	AA
	R4098	9GJRS1/16S222J	M	Chip	AA
	R4099	9GJRS1/16S101J	M	Chip	AA
	R4100	9GJRS1/16S471J	M	Chip	AA
	R4101	9GJRS1/16S392J	M	Chip	AB
	R4102	9GJRS1/16S0R0J	M	Chip	AA
	R4103	9GJRS1/16S222J	M	Chip	AA
	R4104	9GJRS1/16S431J	M	Chip	AD
	R4105	9GJRS1/16S202J	M	Chip	AD
	R4106	9GJRS1/16S222J	M	Chip	AA
	R4107	9GJRS1/16S433J	M	Chip	AA
	R4108	9GJRS1/16S243J	M	Chip	AA
	R4109	9GJRS1/16S101J	M	Chip	AA
	R4110	9GJRS1/16S182J	M	Chip	AA
	R4111	9GJRS1/16S471J	M	Chip	AA
	R4112	9GJRS1/16S222J	M	Chip	AA
	R4113	9GJRS1/16S431J	M	Chip	AD
	R4114	9GJRS1/16S101J	M	Chip	AA
	R4115	9GJRS1/16S101J	M	Chip	AA
	R4116	9GJRS1/16S222J	M	Chip	AA
	R4117	9GJRS1/16S101J	M	Chip	AA
	R4118	9GJRS1/16S101J	M	Chip	AA
	R4119	9GJRS1/16S432J	M	Chip	AA
	R4120	9GJRS1/16S101J	M	Chip	AA
	R4122	9GJRS1/16S101J	M	Chip	AA
	R4123	9GJRS1/16S101J	M	Chip	AA
	R4124	9GJRS1/16S101J	M	Chip	AA
	R4125	9GJRS1/16S152J	M	Chip	AA
	R4126	9GJRS1/16S182J	M	Chip	AA
	R4127	9GJRS1/16S102J	M	Chip	AA
	R4128	9GJRS1/16S223J	M	Chip	AA
	R4129	9GJRS1/16S101J	M	Chip	AA
	R4130	9GJRS1/16S101J	M	Chip	AA
	R4131	9GJRS1/16S101J	M	Chip	AA
	R4132	9GJRS1/16S152J	M	Chip	AA
	R4133	9GJRS1/16S101J	M	Chip	AA
	R4134	9GJRS1/16S101J	M	Chip	AA
	R4135	9GJRS1/16S101J	M	Chip	AA
	R4136	9GJRS1/16S152J	M	Chip	AA
	R4137	9GJRS1/16S101J	M	Chip	AA
	R4138	9GJRS1/16S101J	M	Chip	AA

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R4139	9GJRS1/16S101J	M	Chip	AA
	R4140	9GJRS1/16S101J	M	Chip	AA
	R4141	9GJRS1/16S101J	M	Chip	AA
	R4142	9GJRS1/16S223J	M	Chip	AA
	R4143	9GJRS1/16S104J	M	Chip	AA
	R4144	9GJRS1/16S101J	M	Chip	AA
	R4145	9GJRS1/16S152J	M	Chip	AA
	R4146	9GJRS1/16S101J	M	Chip	AA
	R4147	9GJRS1/16S101J	M	Chip	AA
	R4148	9GJRS1/16S152J	M	Chip	AA
	R4149	9GJRS1/16S681J	M	Chip	AA
	R4150	9GJRS1/16S101J	M	Chip	AA
	R4151	9GJRS1/16S152J	M	Chip	AA
	R4152	9GJRS1/16S101J	M	Chip	AA
	R4153	9GJRS1/16S101J	M	Chip	AA
	R4154	9GJRS1/16S101J	M	Chip	AA
	R4155	9GJRS1/16S101J	M	Chip	AA
	R4156	9GJRS1/16S103J	M	Chip	AA
	R4164	9GJRS1/16S101J	M	Chip	AA
	R4165	9GJRS1/16S101J	M	Chip	AA
	R4166	9GJRS1/16S473J	M	Chip	AA
	R4167	9GJRS1/16S103J	M	Chip	AA
	R4168	9GJRS1/16S473J	M	Chip	AA
	R4170	9GJRS1/16S102J	M	Chip	AA
	R4172	9GJRS1/16S102J	M	Chip	AA
	R4173	9GJRS1/16S103J	M	Chip	AA
	R4174	9GJRS1/16S332J	M	Chip	AA
	R4175	9GJRS1/16S103J	M	Chip	AA
	R4176	9GJRS1/16S103J	M	Chip	AA
	R4177	9GJRS1/16S562J	M	Chip	AA
	R4178	9GJRS1/16S562J	M	Chip	AA
	R4202	9GJRS1/16S101J	M	Chip	AA
	R4203	9GJRS1/16S103J	M	Chip	AA
	R4204	9GJRS1/16S103J	M	Chip	AA
	R4205	9GJRS1/16S101J	M	Chip	AA
	R4206	9GJRS1/16S102J	M	Chip	AA
	R4209	9GJRS1/16S103J	M	Chip	AA
	R4210	9GJRS1/16S682J	M	Chip	AA
	R4211	9GJRS1/16S752J	M	Chip	AA
	R4212	9GJRS1/16S153J	M	Chip	AB
	R4213	9GJRS1/16S513J	M	Chip	AB
	R4214	9GJRS1/16S183J	M	Chip	AB
	R4215	9GJRS1/16S123J	M	Chip	AA
	R4216	9GJRS1/16S102J	M	Chip	AA
	R4217	9GJRS1/16S133J	M	Chip	AB
	R4218	9GJRS1/16S682J	M	Chip	AA
	R4219	9GJRS1/16S223J	M	Chip	AA
	R4220	9GJRS1/16S183J	M	Chip	AB
	R4221	9GJRS1/16S183J	M	Chip	AB
	R4222	9GJRS1/16S203J	M	Chip	AA
	R4223	9GJRS1/16S474J	M	Chip	AB
	R4224	9GJRS1/16S393J	M	Chip	AA
	R4225	9GJRS1/16S362J	M	Chip	AB
	R4226	9GJRS1/16S104J	M	Chip	AA
	R4227	9GJRS1/16S223J	M	Chip	AA
	R4228	9GJRS1/16S183J	M	Chip	AB
	R4229	9GJRS1/16S105J	M	Chip	AA
	R4230	9GJRS1/16S224J	M	Chip	AA
	R4231	9GJRS1/16S272J	M	Chip	AB
	R4232	9GJRS1/16S223J	M	Chip	AA
	R4233	9GJRS1/16S272J	M	Chip	AB
	R4234	9GJRS1/16S682J	M	Chip	AA
	R4236	9GJRS1/16S473J	M	Chip	AA
	R4237	9GJRS1/16S223J	M	Chip	AA
	R4239	9GJRS1/16S101J	M	Chip	AA
	R4240	9GJRS1/16S101J	M	Chip	AA
	R4241	9GJRS1/16S222J	M	Chip	AA
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	R4244	9GJRS1/16S222J	M	Chip	AA
	R4245	9GJRS1/16S101J	M	Chip	AA
	R4246	9GJRS1/16S560J	M	Chip	AA
	R4247	9GJRS1/16S681J	M	Chip	AA
	R4248	9GJRS1/16S223J	M	Chip	AA
	R4249	9GJRS1/16S102J	M	Chip	AA
	R4250	9GJRS1/16S392J	M	Chip	AB
	R4251	9GJRS1/16S163J	M	Chip	AA
	R4252	9GJRS1/16S564J	M	Chip	AA
	R4253	9GJRS1/16S103J	M	Chip	AA
	R4254	9GJRS1/16S101J	M	Chip	AA
	R4256	9GJRS1/16S101J	M	Chip	AA
	R4257	9GJRS1/16S102J	M	Chip	AA
	R4264	9GJRS1/16S103J	M	Chip	AA
	R4265	9GJRS1/16S103J	M	Chip	AA
	R4266	9GJRS1/16S682J	M	Chip	AA
	R4267	9GJRS1/16S153J	M	Chip	AB
	R4268	9GJRS1/16S101J	M	Chip	AA
	R4269	9GJRS1/16S101J	M	Chip	AA
	R4270	9GJRS1/16S332J	M	Chip	AA
	R4271	9GJRS1/16S332J	M	Chip	AA
	R4272	9GJRS1/16S223J	M	Chip	AA
	R4274	9GJRS1/16S101J	M	Chip	AA
	R4275	9GJRS1/16S222J	M	Chip	AA
	R4276	9GJRS1/16S394J	M	Chip	AD
	R4277	9GJRS1/16S102J	M	Chip	AA
	R4278	9GJRS1/16S562J	M	Chip	AA
	R4279	9GJRS1/16S562J	M	Chip	AA
	R4280	9GJRS1/16S182J	M	Chip	AA
	R4281	9GJRS1/10S681J	M	Chip	AH
	R4282	9GJRS1/16S821J	M	Chip	AA
	R4283	9GJRS1/16S122J	M	Chip	AB
	R4284	9GJRS1/16S122J	M	Chip	AB
	R4285	9GJRS1/16S301J	M	Chip	AA
	R4286	9GJRS1/10S681J	M	Chip	AH
	R4287	9GJRS1/16S182J	M	Chip	AA
	R4288	9GJRS1/16S911J	M	Chip	AA
	R4289	9GJRS1/16S102J	M	Chip	AA
	R4290	9GJRS1/16S561J	M	Chip	AA
	R4291	9GJRS1/16S122J	M	Chip	AB
	R4292	9GJRS1/10S471J	M	Chip	AH
	R4293	9GJRS1/16S101J	M	Chip	AA
	R4294	9GJRS1/16S101J	M	Chip	AA
	R4295	9GJRS1/16S101J	M	Chip	AA
	R4296	9GJRS1/16S101J	M	Chip	AA
	R4297	9GJRS1/16S101J	M	Chip	AA
	R4298	9GJRS1/16S222J	M	Chip	AA
	R4299	9GJRS1/16S101J	M	Chip	AA
	R4300	9GJRS1/16S101J	M	Chip	AA
	R4301	9GJRS1/16S101J	M	Chip	AA
	R4302	9GJRS1/16S681J	M	Chip	AA
	R4303	9GJRS1/16S472J	M	Chip	AA
	R4304	9GJRS1/16S332J	M	Chip	AA
	R4305	9GJRS1/16S562J	M	Chip	AA
	R4306	9GJRS1/16S682J	M	Chip	AA
	R4308	9GJRS1/16S223J	M	Chip	AA
	R4309	9GJRS1/16S223J	M	Chip	AA
	R4310	9GJRS1/16S752J	M	Chip	AA
	R4311	9GJRS1/16S511J	M	Chip	AA
	R4312	9GJRS1/16S512J	M	Chip	AA
	R4313	9GJRS1/16S623J	M	Chip	AB
	R4314	9GJRS1/16S472J	M	Chip	AA
	R4315	9GJRS1/16S472J	M	Chip	AA
	R4317	9GJRS1/16S223J	M	Chip	AA
	R4318	9GJRS1/16S822J	M	Chip	AA
	R4319	9GJRS1/16S753J	M	Chip	AA
	R4320	9GJRS1/16S471J	M	Chip	AA
	R4321	9GJRS1/16S682J	M	Chip	AA
	R4322	9GJRS1/16S472J	M	Chip	AA
	R4323	9GJRS1/16S472J	M	Chip	AA
	R4324	9GJRS1/16S223J	M	Chip	AA
	R4325	9GJRS1/16S223J	M	Chip	AA
	R4326	9GJRS1/16S622J	M	Chip	AA
	R4327	9GJRS1/16S623J	M	Chip	AB
	R4328	9GJRS1/16S562J	M	Chip	AA
	R4329	9GJRS1/16S472J	M	Chip	AA
	R4330	9GJRS1/16S621J	M	Chip	AA
	R4331	9GJRS1/16S821J	M	Chip	AA
	R4332	9GJRS1/16S242J	M	Chip	AB

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R4333	9GJRS1/16S511J	M	Chip	AA
	R4334	9GJRS1/16S511J	M	Chip	AA
	R4335	9GJRS16S2402D	M	Chip	AA
	R4336	9GJRS16S8201D	M	Chip	AA
	R4337	9GJRS1/16S222J	M	Chip	AA
	R4338	9GJRS1/16S471J	M	Chip	AA
	R4339	9GJRS16S5100D	M	Chip	AA
	R4340	9GJRS16S1201D	M	Chip	AA
	R4341	9GJRS1/16S101J	M	Chip	AA
	R4342	9GJRS1/16S101J	M	Chip	AA
	R4348	9GJRS1/16S103J	M	Chip	AA
	R4349	9GJRS1/16S103J	M	Chip	AA
	R4350	9GJRS1/16S103J	M	Chip	AA
	R4351	9GJRS1/16S101J	M	Chip	AA
	R4352	9GJRS1/16S101J	M	Chip	AA
	R4353	9GJRS1/16S101J	M	Chip	AA
	R4354	9GJRS1/16S112J	M	Chip	AA
	R4355	9GJRS1/16S0R0J	M	Chip	AA
	R4356	9GJRS1/16S223J	M	Chip	AA
	R4357	9GJRS1/16S153J	M	Chip	AB
	R4359	9GJRS1/16S101J	M	Chip	AA
	R4360	9GJRS1/16S222J	M	Chip	AA
	R4361	9GJRS1/16S223J	M	Chip	AA
	R4362	9GJRS1/16S123J	M	Chip	AA
	R4363	9GJRS1/16S153J	M	Chip	AB
	R4364	9GJRS1/16S103J	M	Chip	AA
	R4365	9GJRS1/16S222J	M	Chip	AA
	R4366	9GJRS1/16S561J	M	Chip	AA
	R4367	9GJRS1/16S562J	M	Chip	AA
	R4368	9GJRS1/10S471J	M	Chip	AH
	R4369	9GJRS1/16S222J	M	Chip	AA
	R4370	9GJRS1/16S101J	M	Chip	AA
	R4371	9GJRS1/16S101J	M	Chip	AA
	R4372	9GJRS1/16S103J	M	Chip	AA
	R4373	9GJRS1/16S681J	M	Chip	AA
	R4374	9GJRS1/16S153J	M	Chip	AB
	R4375	9GJRS1/16S222J	M	Chip	AA
	R4376	9GJRS1/16S101J	M	Chip	AA
	R4377	9GJRS1/16S153J	M	Chip	AB
	R4378	9GJRS1/16S153J	M	Chip	AB
	R4379	9GJRS1/16S222J	M	Chip	AA
	R4380	9GJRS1/16S101J	M	Chip	AA
	R4381	9GJRS1/16S103J	M	Chip	AA
	R4382	9GJRS1/16S103J	M	Chip	AA
	R4383	9GJRS1/16S103J	M	Chip	AA
	R4384	9GJRS1/16S472J	M	Chip	AA
	R4385	9GJRS1/16S103J	M	Chip	AA
	R4386	9GJRS1/16S101J	M	Chip	AA
	R4387	9GJRS1/16S392J	M	Chip	AB
	R4388	9GJRS1/16S392J	M	Chip	AB
	R4389	9GJRS1/16S102J	M	Chip	AA
	R4390	9GJRS1/16S561J	M	Chip	AA
	R4391	9GJRS1/16S103J	M	Chip	AA
	R4392	9GJRS1/16S103J	M	Chip	AA
	R4393	9GJRS1/16S221J	M	Chip	AA
	R4394	9GJRS16S1002D	M	Chip	AA
	R4395	9GJRN16SE1101D	M	Chip Metal Film	AB
	R4397	9GJRS1/16S472J	M	Chip	AA
	R4398	9GJRS1/16S153J	M	Chip	AB
	R4399	9GJRS1/10S621J	M	Chip	AA
	R4400	9GJRS1/10S621J	M	Chip	AA
	R4401	9GJRS1/16S821J	M	Chip	AA
	R4402	9GJRS1/16S182J	M	Chip	AA
	R4403	9GJRS1/16S561J	M	Chip	AA
	R4404	9GJRS1/16S102J	M	Chip	AA
	R4405	9GJRS1/16S102J	M	Chip	AA
	R4406	9GJRS1/16S0R0J	M	Chip	AA
	R4407	9GJRS1/16S201J	M	Chip	AA
	R4408	9GJRS1/16S101J	M	Chip	AA
	R4409	9GJRS1/16S101J	M	Chip	AA
	R4410	9GJRS1/16S101J	M	Chip	AA
	R4411	9GJRS1/16S182J	M	Chip	AA
	R4412	9GJRS1/16S152J	M	Chip	AA
	R4413	9GJRS1/16S222J	M	Chip	AA
	R4414	9GJRS1/16S102J	M	Chip	AA
	R4415	9GJRS1/16S101J	M	Chip	AA
	R4418	9GJRS1/16S333J	M	Chip	AA
	R4419	9GJRS1/16S333J	M	Chip	AA
	R4420	9GJRS1/16S101J	M	Chip	AA
	R4421	9GJRS1/16S152J	M	Chip	AA
	R4422	9GJRS1/16S101J	M	Chip	AA
	R4423	9GJRS1/16S103J	M	Chip	AA
	R4424	9GJRS1/16S752J	M	Chip	AA
	R4425	9GJRS1/16S101J	M	Chip	AA
	R4426	9GJRS1/16S102J	M	Chip	AA
	R4427	9GJRS1/16S222J	M	Chip	AA
	R4428	9GJRS1/16S101J	M	Chip	AA
	R4429	9GJRS1/16S101J	M	Chip	AA
	R4430	9GJRS1/16S101J	M	Chip	AA
	R4434	9GJRS1/16S391J	M	Chip	AA
	R4435	9GJRS1/16S331J	M	Chip	AA
	R4436	9GJRS1/16S393J	M	Chip	AA
	R4437	9GJRS1/16S563J	M	Chip	AA
	R4438	9GJRS1/16S102J	M	Chip	AA
	R4439	9GJRS1/16S101J	M	Chip	AA
	R4440	9GJRS1/16S103J	M	Chip	AA
	R4441	9GJRS1/16S273J	M	Chip	AA
	R4442	9GJRS1/16S101J	M	Chip	AA
	R4443	9GJRS1/16S101J	M	Chip	AA
	R4445	9GJRS1/16S101J	M	Chip	AA
	R4446	9GJRS1/16S153J	M	Chip	AB
	R4447	9GJRS1/16S153J	M	Chip	AB
	R4449	9GJRS1/16S0R0J	M	Chip	AA
	R4450	9GJRS1/16S473J	M	Chip	AA
	R4451	9GJRS1/16S203J	M	Chip	AA
	R4452	9GJRS1/16S203J	M	Chip	AA
	R4453	9GJRS1/16S101J	M	Chip	AA
	R4454	9GJRS1/16S472J	M	Chip	AA
	R4455	9GJRS1/16S103J	M	Chip	AA
	R4456	9GJRS1/16S154J	M	Chip	AA
	R4457	9GJRS1/16S432J	M	Chip	AA
	R4458	9GJRS1/16S682J	M	Chip	AA
	R4459	9GJRS1/16S123J	M	Chip	AA
	R4460	9GJRS1/16S822J	M	Chip	AA
	R4461	9GJRS1/16S101J	M	Chip	AA
	R4462	9GJRS1/16S0R0J	M	Chip	AA
	R4465	9GJRS1/16S221J	M	Chip	AA
	R4466	9GJRS1/16S101J	M	Chip	AA
	R4467	9GJRS1/16S101J	M	Chip	AA
	R4468	9GJRS1/16S681J	M	Chip	AA
	R4469	9GJRS1/16S222J	M	Chip	AA
	R4470	9GJRS1/16S101J	M	Chip	AA
	R4472	9GJRS1/16S103J	M	Chip	AA
	R4473	9GJRS1/16S682J	M	Chip	AA
	R4474	9GJRS1/16S103J	M	Chip	AA
	R4475	9GJRS1/16S103J	M	Chip	AA
	R4476	9GJRS1/16S122J	M	Chip	AB
	R4477	9GJRS1/16S471J	M	Chip	AA
	R4478	9GJRS1/16S122J	M	Chip	AB
	R4479	9GJRS1/16S242J	M	Chip	AB
	R4480	9GJRS1/16S822J	M	Chip	AA
	R4481	9GJRS1/16S203J	M	Chip	AA
	R4482	9GJRS1/16S122J	M	Chip	AB
	R4483	9GJRS1/16S102J	M	Chip	AA
	R4484	9GJRS1/16S561J	M	Chip	AA
	R4485	9GJRS1/16S151J	M	Chip	AB
	R4488	9GJRS1/16S333J	M	Chip	AA
	R4489	9GJRS1/16S333J	M	Chip	AA
	R4490	9GJRS1/16S333J	M	Chip	AA
	R4491	9GJRS1/16S623J	M	Chip	AB
	R4492	9GJRS1/16S563J	M	Chip	AA
	R4493	9GJRS1/16S333J	M	Chip	AA
	R4494	9GJRS1/16S104J	M	Chip	AA
	R4495	9GJRS1/16S392J	M	Chip	AB
	R4496	9GJRS1/16S222J	M	Chip	AA
	R4497	9GJRS1/2S331J	M	Chip	AC
	R4498	9GJRS1/2S271J	M	Chip	AC
	R4499	9GJRS1/16S560J	M	Chip	AA

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SUB VIDEO ASS'Y (Continued)

Mark	Ref. No.	Part No.	★	Description	Code
	R4500	9GJRS1/16S182J	M	Chip	AA
	R4501	9GJRS1/16S680J	M	Chip	AA
	R4502	9GJRS1/16S431J	M	Chip	AD
	R4503	9GJRS1/16S331J	M	Chip	AA
	R4504	9GJRS1/16S301J	M	Chip	AA
	R4505	9GJRS1/16S470J	M	Chip	AA
	R4506	9GJRS1/16S820J	M	Chip	AA
	R4507	9GJRS1/16S470J	M	Chip	AA
	R4510	9GJRS1/16S683J	M	Chip	AA
	R4511	9GJRS1/16S683J	M	Chip	AA
	R4512	9GJRS1/16S222J	M	Chip	AA
	R4513	9GJRS1/16S101J	M	Chip	AA
	R4514	9GJRS1/16S101J	M	Chip	AA
	R4515	9GJRS1/16S471J	M	Chip	AA
	R4516	9GJRN16SE3001D	M	Chip Metal Film	AB
	R4517	9GJRS1/16S123J	M	Chip	AA
	R4518	9GJRS1/16S101J	M	Chip	AA
	R4519	9GJRS1/16S101J	M	Chip	AA
	R4520	9GJRS1/16S101J	M	Chip	AA
	R4521	9GJRS1/16S101J	M	Chip	AA
	R4522	9GJRS16S1502D	M	Chip	AA
	R4523	9GJRS16S6801D	M	Chip	AA
	R4524	9GJRS1/16S182J	M	Chip	AA
	R4525	9GJRS1/16S153J	M	Chip	AB
	R4526	9GJRS1/16S822J	M	Chip	AA
	R4527	9GJRS1/16S182J	M	Chip	AA
	R4528	9GJRS1/16S101J	M	Chip	AA
	R4529	9GJRS1/16S182J	M	Chip	AA
	R4530	9GJRS1/16S102J	M	Chip	AA
	R4531	9GJRS1/16S182J	M	Chip	AA
	R4532	9GJRS1/16S222J	M	Chip	AA
	R4533	9GJRS1/16S182J	M	Chip	AA
	R4538	9GJRS1/16S101J	M	Chip	AA
	R4542	9GJRS1/16S470J	M	Chip	AA
	R4543	9GJRS1/16S101J	M	Chip	AA
	R4544	9GJRS1/16S152J	M	Chip	AA
	R4545	9GJRS1/16S332J	M	Chip	AA
	R4546	9GJRS1/16S101J	M	Chip	AA
	R4547	9GJRS1/16S152J	M	Chip	AA
	R4548	9GJRS1/16S101J	M	Chip	AA
	R4549	9GJRS1/16S101J	M	Chip	AA
	R4550	9GJRS1/16S122J	M	Chip	AB
	R4551	9GJRS1/16S103J	M	Chip	AA
	R4552	9GJRS1/16S153J	M	Chip	AB
	R4554	9GJRS1/16S101J	M	Chip	AA
	R4555	9GJRS1/16S103J	M	Chip	AA
	R4556	9GJRS1/16S152J	M	Chip	AA
	R4557	9GJRS1/16S153J	M	Chip	AB
	R4558	9GJRS1/16S153J	M	Chip	AB
	R4559	9GJRS1/16S153J	M	Chip	AB
	R4560	9GJRS1/16S153J	M	Chip	AB
	R4564	9GJRS1/16S101J	M	Chip	AA
	R4565	9GJRS1/16S101J	M	Chip	AA
	R4566	9GJRS1/16S101J	M	Chip	AA
	R4567	9GJRS1/16S101J	M	Chip	AA
	R4568	9GJRS1/16S101J	M	Chip	AA
	R4569	9GJRS1/16S101J	M	Chip	AA
	R4570	9GJRS1/16S101J	M	Chip	AA
	R4571	9GJRS1/16S101J	M	Chip	AA
	R4572	9GJRS1/16S101J	M	Chip	AA
	R4573	9GJRS1/16S101J	M	Chip	AA
	R4574	9GJRS1/16S101J	M	Chip	AA
	R4575	9GJRS1/16S101J	M	Chip	AA
	R4576	9GJRS1/16S223J	M	Chip	AA
	R4577	9GJRS1/16S223J	M	Chip	AA
	R4578	9GJRS1/16S103J	M	Chip	AA
	R4579	9GJRS1/16S103J	M	Chip	AA
	R4580	9GJRS1/16S222J	M	Chip	AA
	R4581	9GJRS1/16S470J	M	Chip	AA
	R4583	9GJRS1/16S470J	M	Chip	AA
	R4584	9GJRS1/16S101J	M	Chip	AA
	R4586	9GJRS1/16S222J	M	Chip	AA
	R4588	9GJRS1/16S101J	M	Chip	AA
	R4589	9GJRS1/16S101J	M	Chip	AA
	R4590	9GJRS1/16S222J	M	Chip	AA
	R4591	9GJRS1/16S132J	M	Chip	AA
	R4592	9GJRS1/16S132J	M	Chip	AA
	R4593	9GJRS1/16S101J	M	Chip	AA
	R4594	9GJRS1/16S102J	M	Chip	AA
	R4595	9GJRS1/16S101J	M	Chip	AA
	R4597	9GJRS1/16S0R0J	M	Chip	AA
	R4598	9GJRS1/16S101J	M	Chip	AA
	R4599	9GJRS1/16S102J	M	Chip	AA
	R4600	9GJRS1/16S391J	M	Chip	AA
	R4601	9GJRS1/16S331J	M	Chip	AA
	R4602	9GJRS1/16S433J	M	Chip	AA
	R4603	9GJRS1/16S273J	M	Chip	AA
	R4604	9GJRS1/16S681J	M	Chip	AA
	R4605	9GJRS1/16S621J	M	Chip	AA
	R4606	9GJRS1/16S681J	M	Chip	AA
	R4607	9GJRS1/16S102J	M	Chip	AA
	R4608	9GJRS1/16S433J	M	Chip	AA
	R4609	9GJRS1/16S273J	M	Chip	AA
	R4610	9GJRS1/16S681J	M	Chip	AA
	R4611	9GJRS1/16S103J	M	Chip	AA
	R4612	9GJRS1/16S103J	M	Chip	AA
	R4613	9GJRS1/16S103J	M	Chip	AA
	R4614	9GJRS1/16S103J	M	Chip	AA
	R4615	9GJRS1/16S103J	M	Chip	AA
	R4616	9GJRS1/16S103J	M	Chip	AA
	R4617	9GJRS1/16S471J	M	Chip	AA
	R4618	9GJRS1/16S471J	M	Chip	AA
	R4619	9GJRS1/16S223J	M	Chip	AA
	R4620	9GJRS1/16S473J	M	Chip	AA
	R4621	9GJRS1/16S103J	M	Chip	AA
	R4622	9GJRS1/16S103J	M	Chip	AA
	R4623	9GJRS1/16S473J	M	Chip	AA
	R4624	9GJRS1/16S223J	M	Chip	AA
	R4625	9GJRS1/16S473J	M	Chip	AA
	R4701	9GJRS1/16S562J	M	Chip	AA
	R4702	9GJRS1/16S562J	M	Chip	AA
	R4703	9GJRS1/16S182J	M	Chip	AA
	R4704	9GJRS1/16S0R0J	M	Chip	AA
	R4706	9GJRS1/16S0R0J	M	Chip	AA
	R4707	9GJRS1/16S102J	M	Chip	AA
	R4708	9GJRS1/16S102J	M	Chip	AA
	R4709	9GJRS1/16S562J	M	Chip	AA
	R4710	9GJRS1/16S242J	M	Chip	AB
	R4711	9GJRS1/16S221J	M	Chip	AA
	R4712	9GJRS1/16S221J	M	Chip	AA
	R4713	9GJRS1/16S101J	M	Chip	AA
	R4714	9GJRS1/16S241J	M	Chip	AD
	R4715	9GJRS1/16S562J	M	Chip	AA
	R4716	9GJRS1/16S242J	M	Chip	AB
	R4717	9GJRS1/16S221J	M	Chip	AA
	R4718	9GJRS1/16S221J	M	Chip	AA
	R4719	9GJRS1/16S101J	M	Chip	AA
	R4720	9GJRS1/16S241J	M	Chip	AD
	R4721	9GJRS1/16S681J	M	Chip	AA
	R4722	9GJRS1/16S681J	M	Chip	AA
	R4723	9GJRS1/16S221J	M	Chip	AA
	R4724	9GJRS1/16S681J	M	Chip	AA
	R4725	9GJRS1/16S681J	M	Chip	AA
	R4726	9GJRS1/16S101J	M	Chip	AA
	R4727	9GJRS1/16S472J	M	Chip	AA
	R4728	9GJRS1/16S101J	M	Chip	AA
	R4729	9GJRS1/16S102J	M	Chip	AA
	R4730	9GJRS1/16S101J	M	Chip	AA
	R4742	9GJRS1/16S222J	M	Chip	AA
	R4743	9GJRS1/16S222J	M	Chip	AA
	R4744	9GJRS1/16S222J	M	Chip	AA
	R4745	9GJRS1/16S222J	M	Chip	AA
	R4746	9GJRS1/16S222J	M	Chip	AA
	R4747	9GJRS1/16S222J	M	Chip	AA
	R4748	9GJRS1/16S222J	M	Chip	AA
	R4749	9GJRS1/16S222J	M	Chip	AA
	R4750	9GJRS1/16S222J	M	Chip	AA
	R4751	9GJRS1/16S222J	M	Chip	AA

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SUB VIDEO ASS'Y (Continued)

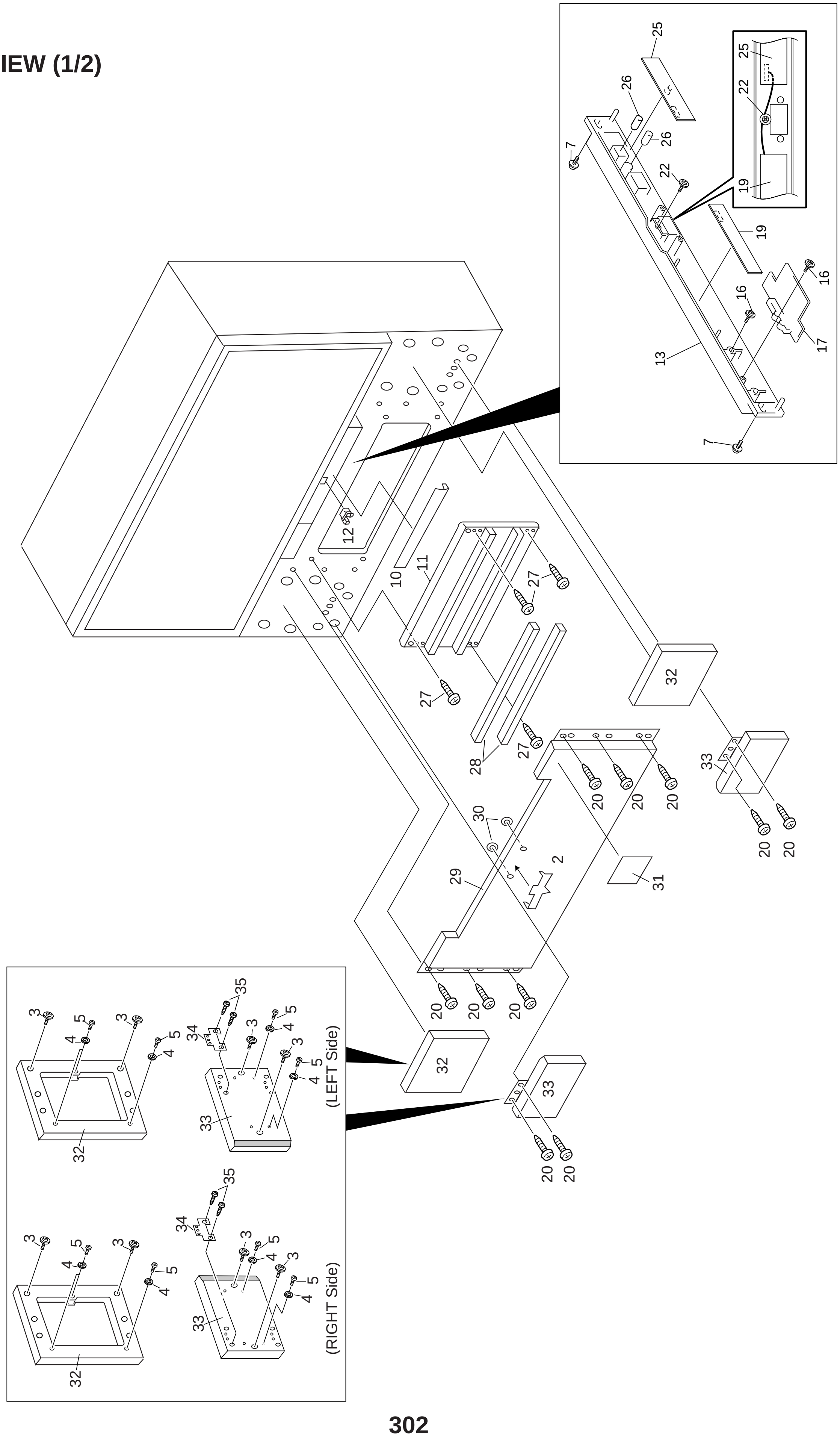
Mark	Ref. No.	Part No.	★	Description	Code
	R4765	9GJRS1/16S104J	M	Chip	AA
	R4766	9GJRS1/16S472J	M	Chip	AA
	R4768	9GJRS1/16S822J	M	Chip	AA
	R4769	9GJRS1/16S124J	M	Chip	AA
	R4770	9GJRS1/16S0R0J	M	Chip	AA
	R4771	9GJRS1/16S152J	M	Chip	AA
	R4772	9GJRS1/16S272J	M	Chip	AB
	R4773	9GJRS1/16S221J	M	Chip	AA
	R4774	9GJRS1/16S241J	M	Chip	AD
	R4781	9GJRS1/16S100J	M	Chip	AA
	R4783	9GJRS1/16S0R0J	M	Chip	AA
	R4785	9GJRS1/16S682J	M	Chip	AA
	R4786	9GJRS1/16S682J	M	Chip	AA
	R4787	9GJRS1/16S472J	M	Chip	AA
	R4788	9GJRS1/16S272J	M	Chip	AB
	R4789	9GJRS1/16S121J	M	Chip	AA
	R4790	9GJRS1/16S221J	M	Chip	AA
	R4791	9GJRS1/16S333J	M	Chip	AA
	R4792	9GJRS1/16S102J	M	Chip	AA
	R4794	9GJRS1/16S103J	M	Chip	AA
	R4795	9GJRS1/16S100J	M	Chip	AA
	R4796	9GJRS1/16S510J	M	Chip	AD
	R4797	9GJRS1/16S750J	M	Chip	AA
	R4798	9GJRS1/16S510J	M	Chip	AD
	R4799	9GJRS1/16S750J	M	Chip	AA
	R4800	9GJRS1/16S682J	M	Chip	AA
	R4801	9GJRS1/16S103J	M	Chip	AA
	R4802	9GJRS1/10S221J	M	Chip	AH
	R4803	9GJRS1/16S221J	M	Chip	AA
	R4804	9GJRS1/16S101J	M	Chip	AA
	R4805	9GJRS1/10S221J	M	Chip	AH
	R4806	9GJRS1/16S620J	M	Chip	AA
	R4807	9GJRS1/16S510J	M	Chip	AD
	R4808	9GJRS1/16S750J	M	Chip	AA
	R4809	9GJRS1/16S0R0J	M	Chip	AA
	R4811	9GJRS1/16S0R0J	M	Chip	AA
	R4812	9GJRS1/16S472J	M	Chip	AA
	R4813	9GJRS1/16S101J	M	Chip	AA
	R4814	9GJRS1/16S472J	M	Chip	AA
	R4815	9GJRS1/16S101J	M	Chip	AA
	R4827	9GJRS1/16S100J	M	Chip	AA
	R4829	9GJRS1/16S0R0J	M	Chip	AA
	R4831	9GJRS1/16S393J	M	Chip	AA
	R4832	9GJRS1/16S102J	M	Chip	AA
	R4833	9GJRS1/16S223J	M	Chip	AA
	R4834	9GJRS1/16S103J	M	Chip	AA
	R4835	9GJRS1/16S393J	M	Chip	AA
	R4836	9GJRS1/16S103J	M	Chip	AA
	R4837	9GJRS1/16S102J	M	Chip	AA
	R4839	9GJRS1/16S101J	M	Chip	AA
	R4840	9GJRS1/16S101J	M	Chip	AA
	R4841	9GJRS1/16S101J	M	Chip	AA
	R4842	9GJRS1/16S222J	M	Chip	AA
	R4843	9GJRS1/16S101J	M	Chip	AA
	R4844	9GJRS1/16S101J	M	Chip	AA
	R4845	9GJRS1/16S222J	M	Chip	AA
	R4846	9GJRS1/16S0R0J	M	Chip	AA
	R4847	9GJRS1/16S333J	M	Chip	AA
	R4848	9GJRS1/16S563J	M	Chip	AA
	R4849	9GJRS1/16S101J	M	Chip	AA
	R4850	9GJRS1/16S222J	M	Chip	AA
	R4851	9GJRS1/16S101J	M	Chip	AA
	R4852	9GJRS1/16S101J	M	Chip	AA
	R4853	9GJRS1/16S101J	M	Chip	AA
	R6187	9GJRS1/16S0R0J	M	Chip	AA

MISCELLANEOUS PARTS

Mark	Ref. No.	Part No.	★	Description	Code
	DL4201	9GJATN1040	M	Delay Line	AM
	DL4401	9GJATN1029	M	Delay Line	AP
	DL4402	9GJATN1029	M	Delay Line	AP
	DL4403	9GJATN1055	M	Delay Line	AT
	CN3801	9GJAKM1155	M	Plug, 44-pin	AQ
	CN3802	9GJAKM1155	M	Plug, 44-pin	AQ
	CN3803	9GJKM250MA13L	M	Plug, 13-pin	
	K4001	9GJAKX9002-A	M	Test Pin	AC
	K4002	9GJAKX9002-A	M	Test Pin	AC
	K4003	9GJAKX9002-A	M	Test Pin	AC
	K4201	9GJAKX9002-A	M	Test Pin	AC
	K4202	9GJAKX9002-A	M	Test Pin	AC
	K4203	9GJAKX9002-A	M	Test Pin	AC
	K4401	9GJAKX9002-A	M	Test Pin	AC
	K4402	9GJAKX9002-A	M	Test Pin	AC
	K4403	9GJAKX9002-A	M	Test Pin	AC
	K4404	9GJAKX9002-A	M	Test Pin	AC
	K4701	9GJAKX9002-A	M	Test Pin	AC
	K4702	9GJAKX9002-A	M	Test Pin	AC
	K4703	9GJAKX9002-A	M	Test Pin	AC
	K4704	9GJAKX9002-A	M	Test Pin	AC
	K4705	9GJAKX9002-A	M	Test Pin	AC
	K4706	9GJAKX9002-A	M	Test Pin	AC

CABINET AND MECHANICAL PARTS

FRONT VIEW (1/2)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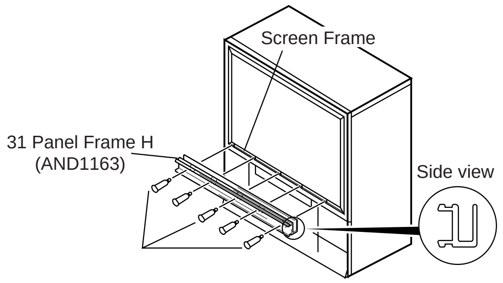
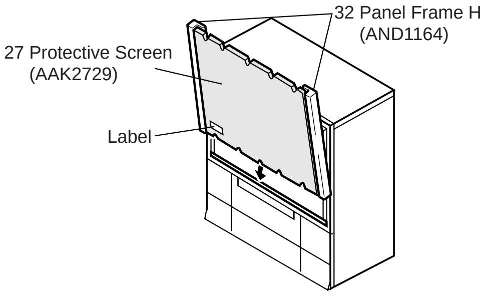
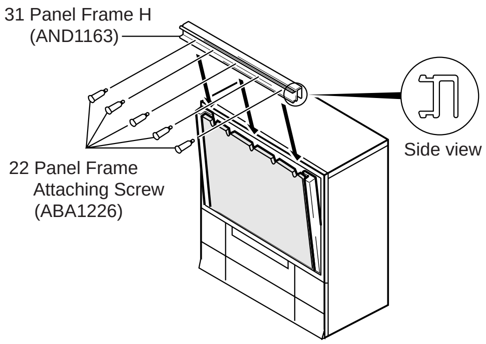
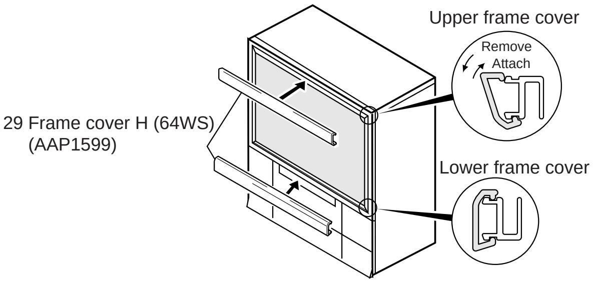
(RIGHT Side)

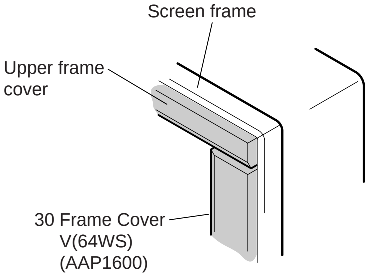
Accessory Parts


Screen Frame
31 Panel Frame H
(AND1163)
Side view


32 Panel Frame H
(AND1164)
27 Protective Screen
(AAK2729)
Label


31 Panel Frame H
(AND1163)
Side view
22 Panel Frame
Attaching Screw
(ABA1226)


Upper frame cover
Remove
Attach
29 Frame cover H (64WS)
(AAP1599)
Lower frame cover


Screen frame
Upper frame
cover
30 Frame Cover
V(64WS)
(AAP1600)

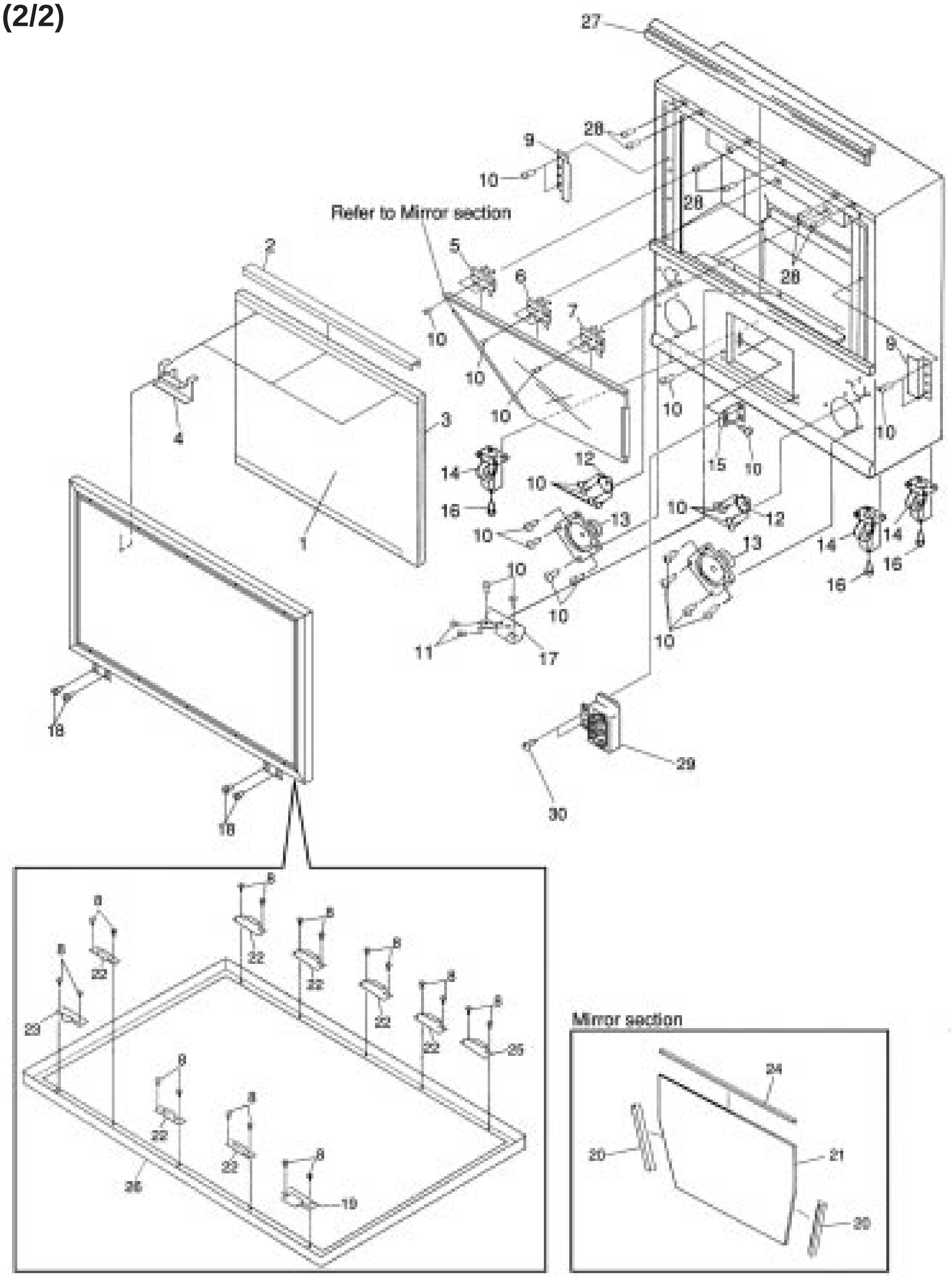
FRONT VIEW (1/2) PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
	2	9GJAAM1082	M	Badge (SHARP)	AV
NSP	3	9GJANZ-241	–	Catcher A	—
	4	9GJAEC1394	M	Magic Tape	AM
	5	9GJABA1271	M	Special Screw	AA
	7	9GJABA1240	M	Special Screw	AA
	10	9GJAAN1446	M	Door Ass'y	BD
	11	9GJAMM2975	M	Blind Plate	BD
	12	9GJAEC1609	M	Catcher F2M	BF
	13	9GJAMB2630	M	Front Panel Ass'y	BF
	16	9GJABZ40P080FZ	M	Screw	AB
	17	9GJAWZ6339	–	Front Input Ass'y	—
	19	9GJAWZ6337	–	Front Control Ass'y	—
	20	9GJABA1239	M	Special Screw	AB
	22	9GJABA1269	M	Screw	AC
	25	9GJAWZ6348	–	LED DPO Ass'y	—
	26	9GJAAK2730	M	LED Lens	AT
	27	9GJABA1249	M	Special Screw	AB
	28	9GJAEC1786	M	Front Cover Cushion	AP
	29	9GJAMR3108	M	Center Panel	BW
	30	9GJYP24FAC	M	Push Nut	AA
NSP	31	9GJAAX2677	–	DTV Logo Label	—
	32	9GJAMM2937	M	Grille S	BC
	33	9GJAMM2938	M	Decoration Panel S	BE
	34	9GJANG2289	M	Bottom Rail Holder	AN
	35	9GJBYC40P160FM	M	Screw	AB

FRONT VIEW (2/2) PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJAMR3115	M	Lenticular Sheet 64W	CX
	2	9GJANG2312	M	Screen Holder Top 64	BA
	3	9GJAMR3123	M	Fresnel 64W	DK
NSP	4	9GJANG2000	–	Upper Cabinet Metal	—
NSP	5	9GJANG2004	–	Mirror Upper Stay L	—
NSP	6	9GJANG2006	–	Mirror Upper Stay C	—
NSP	7	9GJANG2005	–	Mirror Upper Stay R	—
NSP	8	9GJBYC35P160FM	–	Screw	—
NSP	9	9GJANG1993	–	Screen Side Fitting	—
	10	9GJABA1240	M	Special Screw	AA
	11	9GJACZ40P080FM	M	Screw	AK
	12	9GJD66AP45	M	Speaker 66 (Tweeter)	AZ
	13	9GJAPV1048	M	Cone Speaker	AZ
	14	9GJAMR2547	M	Caster	AW
NSP	15	9GJANG1956	–	VR Holder	—
	16	9GJSBA-140	M	Special Screw	AC
NSP	17	9GJANG2118	–	CRT Front Holder	—
	18	9GJABA1189	M	M5 Screw	AE
NSP	19	9GJANG2009	–	Under Screen Metal B	—
	20	9GJANG2315	M	Mirror Frame V 64W	AX
	21	9GJAMR3113	M	Mirror 64	BW
NSP	22	9GJANG2002	–	Upper Screen Metal B	—
NSP	23	9GJANG2003	–	Under Screen Metal A	—
	24	9GJANG2314	M	Mirror Frame H 64W	AZ
NSP	25	9GJANG2001	–	Upper Screen Metal A	—
	26	9GJAAP1598	M	Screen Frame Ass'y 64WS	CD
	27	9GJAAP1601	M	Screen Holder Low 64	AX
	28	9GJBYC35P160FZ	M	Screw	AB
⚠	29	9GJACX1096	M	Focus VR	BG
	30	9GJBBZ30P080FZ	M	Screw	AB

FRONT VIEW (2/2)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Refer to Mirror section
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Mirror section
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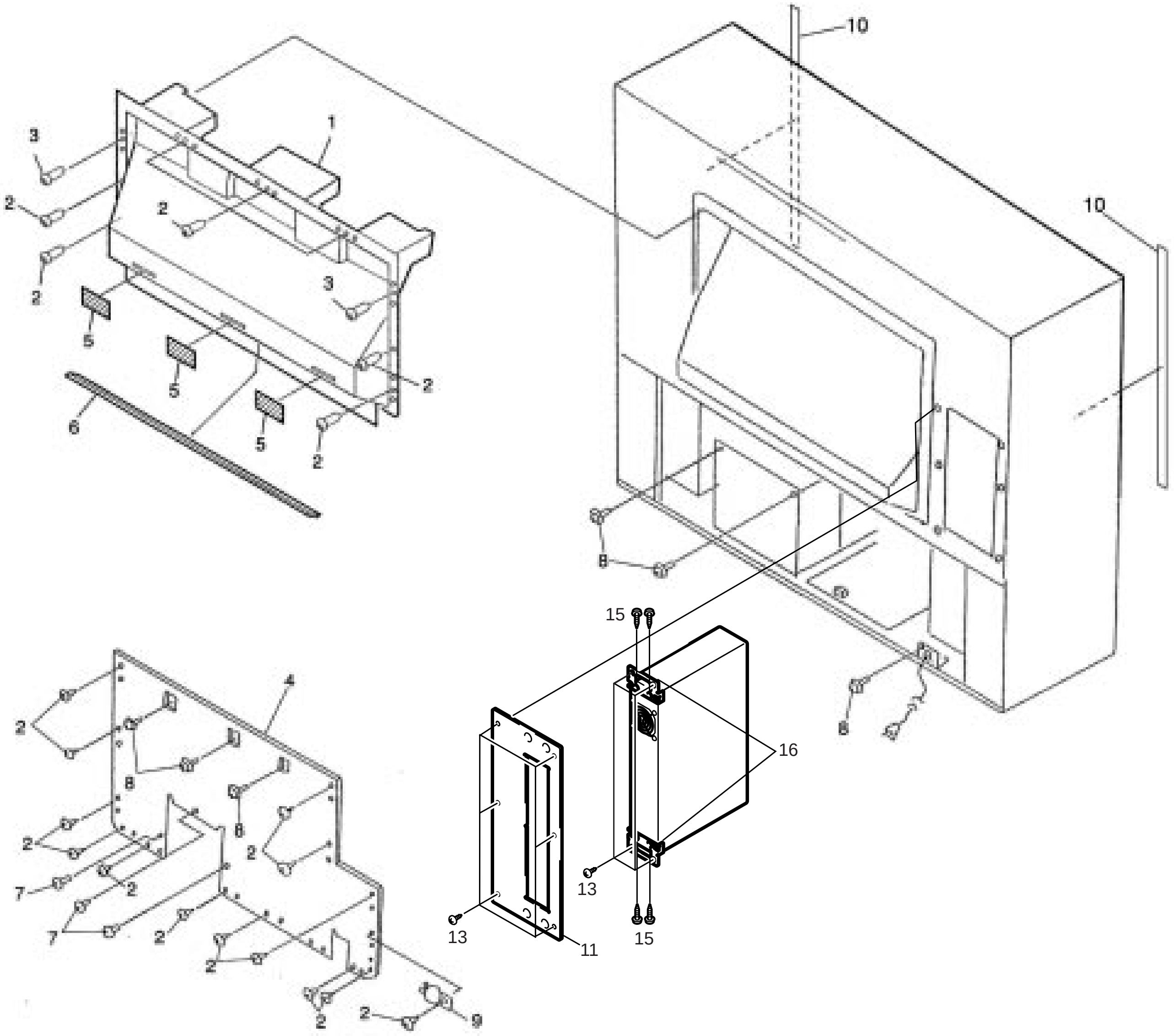
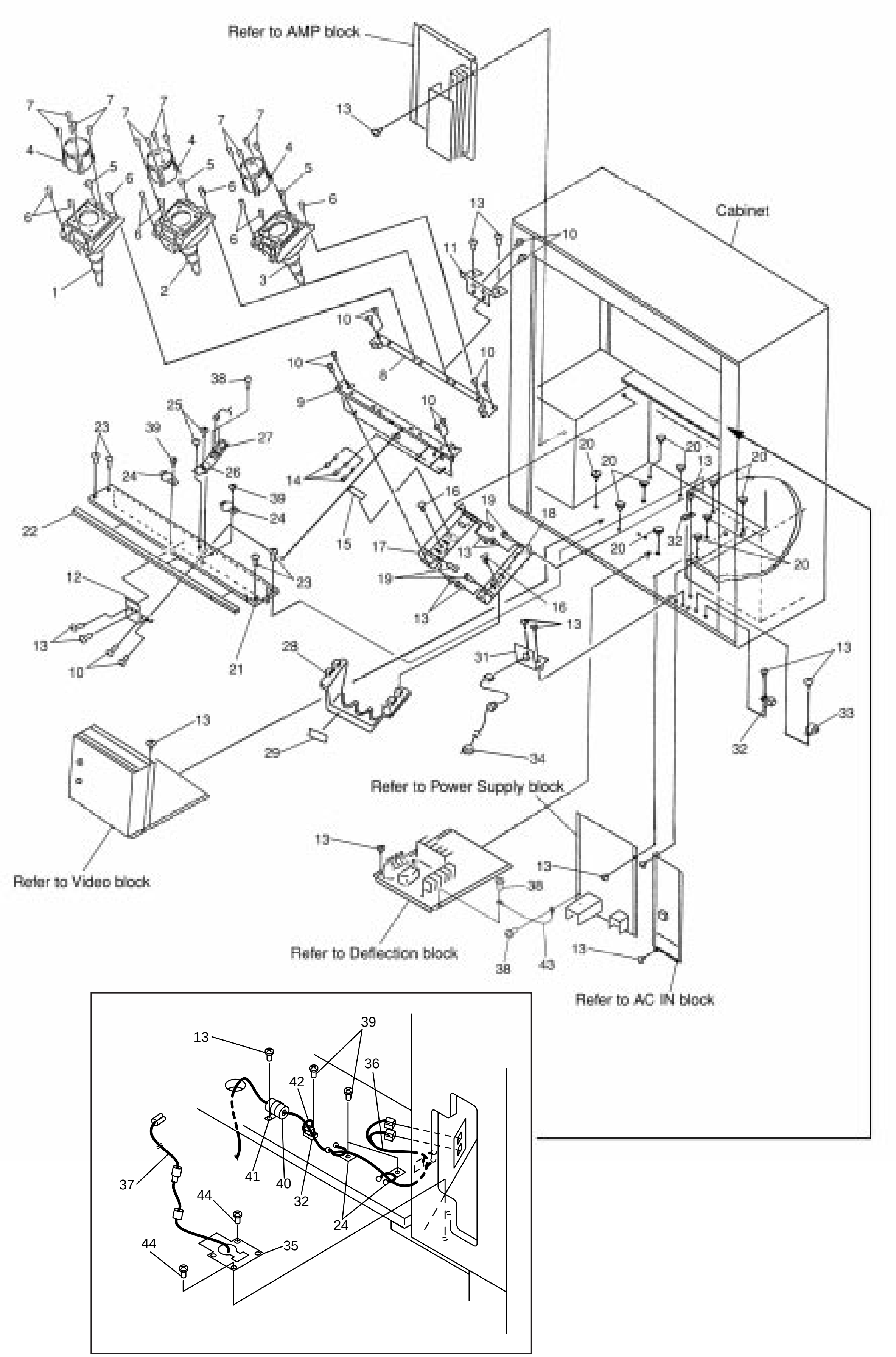
REAR VIEW (1/2) PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJAME2296	M	Mirror Case(51)	BF
	2	9GJABA1240	M	Special Screw	AA
	3	9GJPYC40T140FZ	M	Screw	AB
	4	9GJAMM2929	M	Rear Cover	BG
	5	9GJAEC1622	M	Blind Sheet (PVC)	AD
	6	9GJAEC1627	M	Mirror Case Cushion	AD
	7	9GJABZ30P100FZ	M	Screw	AB
	8	9GJABA1269	M	Screw	AC
NSP	9	9GJAEC1263	–	Cabinet Wire Holder	—
	10	9GJAEC1778	M	Screen Cushion 64	AL
	11	9GJANE1577	M	Rear Cover (DTV) Ass'y	BN
	13	9GJPMB40P160FZ	M	Screw	AB
	15	9GJABZ30P060FZ	M	Screw	AB
	16	9GJANG2318	M	DTV Holder	AK

REAR VIEW (1/2)



REAR VIEW (2/2)


Refer to AMP block
Cabinet
Refer to Video block
Refer to Power Supply block
Refer to Deflection block
Refer to AC IN block

REAR VIEW (2/2) PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
☆	1	9GJAWY1415	M	CRT Service Ass'y 64B	CR
☆	2	9GJAWY1413	M	CRT Service Ass'y G	CQ
☆	3	9GJAWY1414	M	CRT Service Ass'y 64R	CR
☆	4	9GJAMR3121	M	Lens Ass'y	CA
	5	9GJFBT40P120FZ	M	Screw	AC
	6	9GJABA1168	M	Screw (Steel)	AB
	7	9GJAMZ40P080FZ	M	Screw	AB
NSP	8	9GJANA1541	–	CRT Front Frame (62)	—
NSP	9	9GJANA1542	–	CRT Rear Frame (62)	—
	10	9GJACZ40P080FM	M	Screw	AK
NSP	11	9GJANG2118	–	CRT Front Holder	—
NSP	12	9GJANG2119	–	CRT Rear Holder	—
	13	9GJABA1240	M	Special Screw	AA
	14	9GJAEC1257	M	Cord Holder	AD
NSP	15	9GJAAX2497	–	Tube Label	—
	16	9GJAEC-441	M	Rivet	AC
NSP	17	9GJANA1497	–	CRT Stand Holder (R)	—
NSP	18	9GJANA1496	–	CRT Stand Holder (L)	—
	19	9GJPMB50P250FZ	M	Screw	AC
	20	9GJABA1121	M	Special Screw	AE
NSP	21	9GJAMM2939	–	Back Cover Panel	—
	22	9GJAEC1779	M	Back Cover Cushion	AL
	23	9GJABA1241	M	Special Screw	AD
NSP	24	9GJAEC1263	–	Cabinet Wire Holder	—
	25	9GJABA1210	M	Screw (Steel)	AC
NSP	26	9GJANG1958	–	Remote Sensor Holder	—
	27	9GJAWZ6350	–	R/C Receiver Ass'y	—
NSP	28	9GJAMR2563	–	Tray (PLS)	—
NSP	29	9GJAAX2672	–	Solder Warning Label	—
NSP	31	9GJANG2307	–	AC Cord Holder A	—
NSP	32	9GJAEC1785	–	Binde Holder	—
	33	9GJATX1033	M	Ferrite Core	AY
⚠	34	9GJADG1180	M	AC Power Cord	AU
NSP	35	9GJANG2311	–	AC Cord Holder B	—
	36	9GJADX2491	M	Wire Harness C (J14)	BD
⚠	37	9GJADG1181	M	AC Power Cord B	AX
	38	9GJBBZ30P080FZ	M	Screw	AB
	39	9GJABA1271	M	Special Screw	AA
	40	9GJATX1031	M	Ferrite Core	BA
NSP	41	9GJAEC1789	–	Nylon Clamper 18N	—
	42	9GJAEC-093	M	Nylon Binder	AB
	43	9GJADX2505	M	1P Lead Wire	AE
	44	9GJPMB40P250FZ	M	Screw	AB

OTHERS

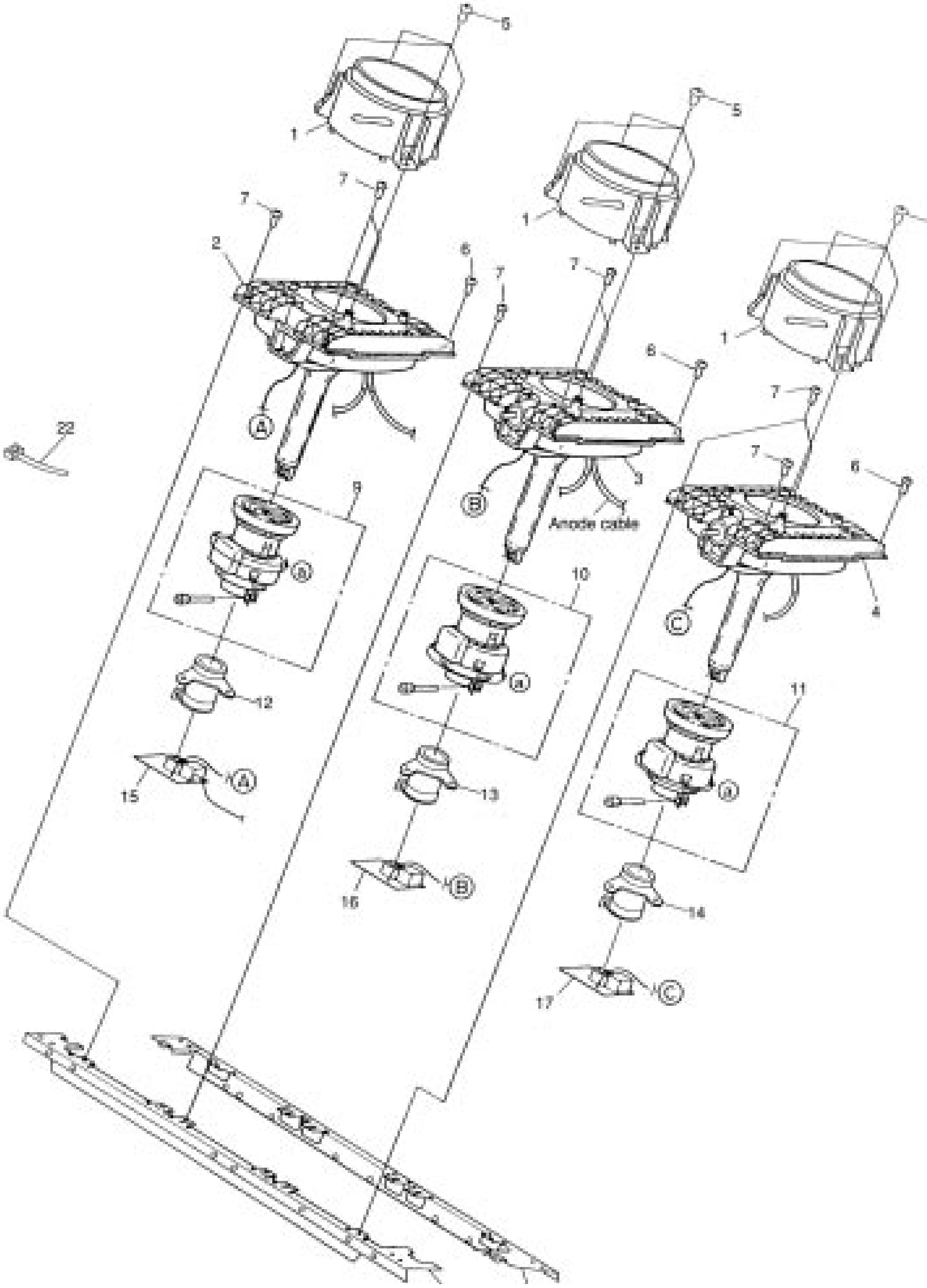
Mark	Ref. No.	Part No.	★	Description	Code
		9GJADX2231	M	1P Lead Wire (J3)	BD
		9GJADX2232	M	1P Lead Wire (J4)	AT
		9GJADX2233	M	1P Lead Wire (J5)	AW
		9GJADX2289	M	1P Lead Wire (J6)	AF
		9GJADX2290	M	1P Lead Wire (J7)	AF
		9GJADX2291	M	1P Lead Wire (J8)	AF
		9GJADX2484	M	4P Housing Wire (J2)	AH
		9GJADX2485	M	Wire Harness A (J10)	BU
		9GJADX2487	M	Wire Harness B (J11)	BE

Mark	Ref. No.	Part No.	★	Description	Code

CRT BLOCK PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
☆	1	9GJAMR3121	M	Lens Ass'y	CA
☆	2	9GJAWY1414	M	CRT Service Ass'y 64R	CR
☆	3	9GJAWY1413	M	CRT Service Ass'y G	CQ
☆	4	9GJAWY1415	M	CRT Service Ass'y 64B	CR
	5	9GJAMZ40P080FZ	M	Screw	AB
	6	9GJFBT40P120FZ	M	Screw	AC
	7	9GJABA1168	M	Screw (Steel)	AB
⚠	9	9GJATL1136	M	Deflection Yoke (L1)	BM
⚠	10	9GJATL1136	M	Deflection Yoke (L2)	BM
⚠	11	9GJATL1136	M	Deflection Yoke (L3)	BM
⚠	12	9GJATL1137	M	VM Coil (L4)	AQ
⚠	13	9GJATL1137	M	VM Coil (L5)	AQ
⚠	14	9GJATL1137	M	VM Coil (L6)	AQ
	15	9GJAWZ6344	–	R CRT Drive Ass'y	—
	16	9GJAWZ6345	–	G CRT Drive Ass'y	—
	17	9GJAWZ6346	–	B CRT Drive Ass'y	—
NSP	20	9GJANA1542	–	CRT Rear Frame (62)	—
NSP	21	9GJANA1541	–	CRT Front Frame (62)	—
	22	9GJAEC-093	M	Nylon Binder	AB

CRT BLOCK

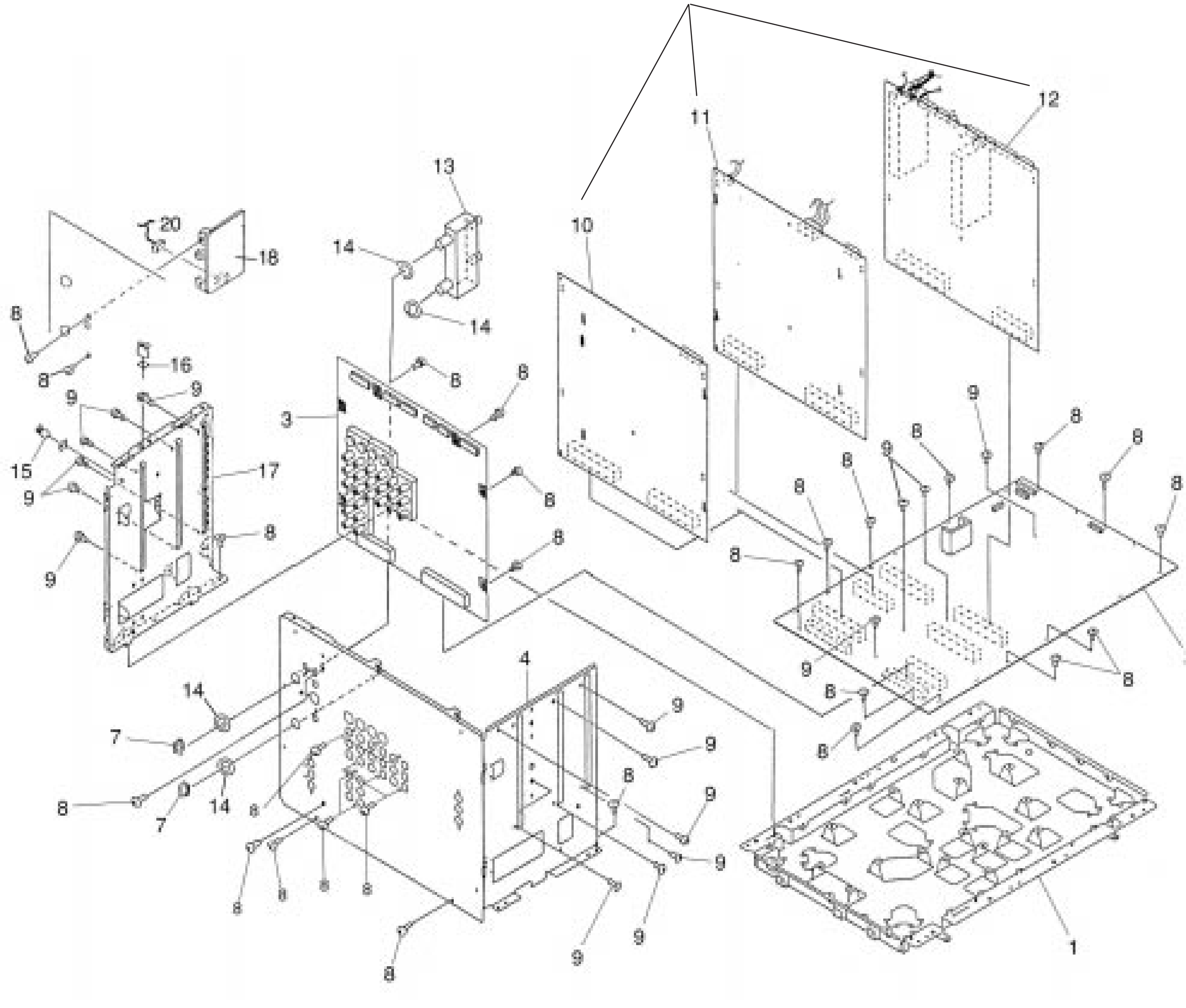


VIDEO BLOCK PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
NSP	1	9GJANA1584	–	Video Chassis	—
	2	9GJAWV1724	–	Video Ass'y	—
	3	9GJAWV1722	–	AV I/O Ass'y	—
	4	9GJANC2322	M	Rear Panel (S)	BB
	7	9GJABN-087	M	Hexagonal Duct Nut	AB
	8	9GJBBZ30P080FZ	M	Screw	AB
	9	9GJBBZ30P080FC	M	Screw	AA
	10	9GJAWV1723	–	Tuner µ-Com Ass'y	—
	11	9GJAWV1725	–	Signal Ass'y	—
	12	9GJAWV1726	–	Sub Video Ass'y	—
	13	9GJAXF1098	–	RF Switch	—
	14	9GJWAX0F160N10	M	Washer	AA
NSP	15	9GJAEC1611	–	Lead Clamper M	—
NSP	16	9GJAEP-214	–	Purse Lock L	—
NSP	17	9GJANG2305	–	PWB Side Holder	—
	18	9GJAWZ6351	–	SR BNC Ass'y	—
	20	9GJADX2490	M	4P Housing Wire (J13)	AH

VIDEO BLOCK

Refer to Signal Ass'y block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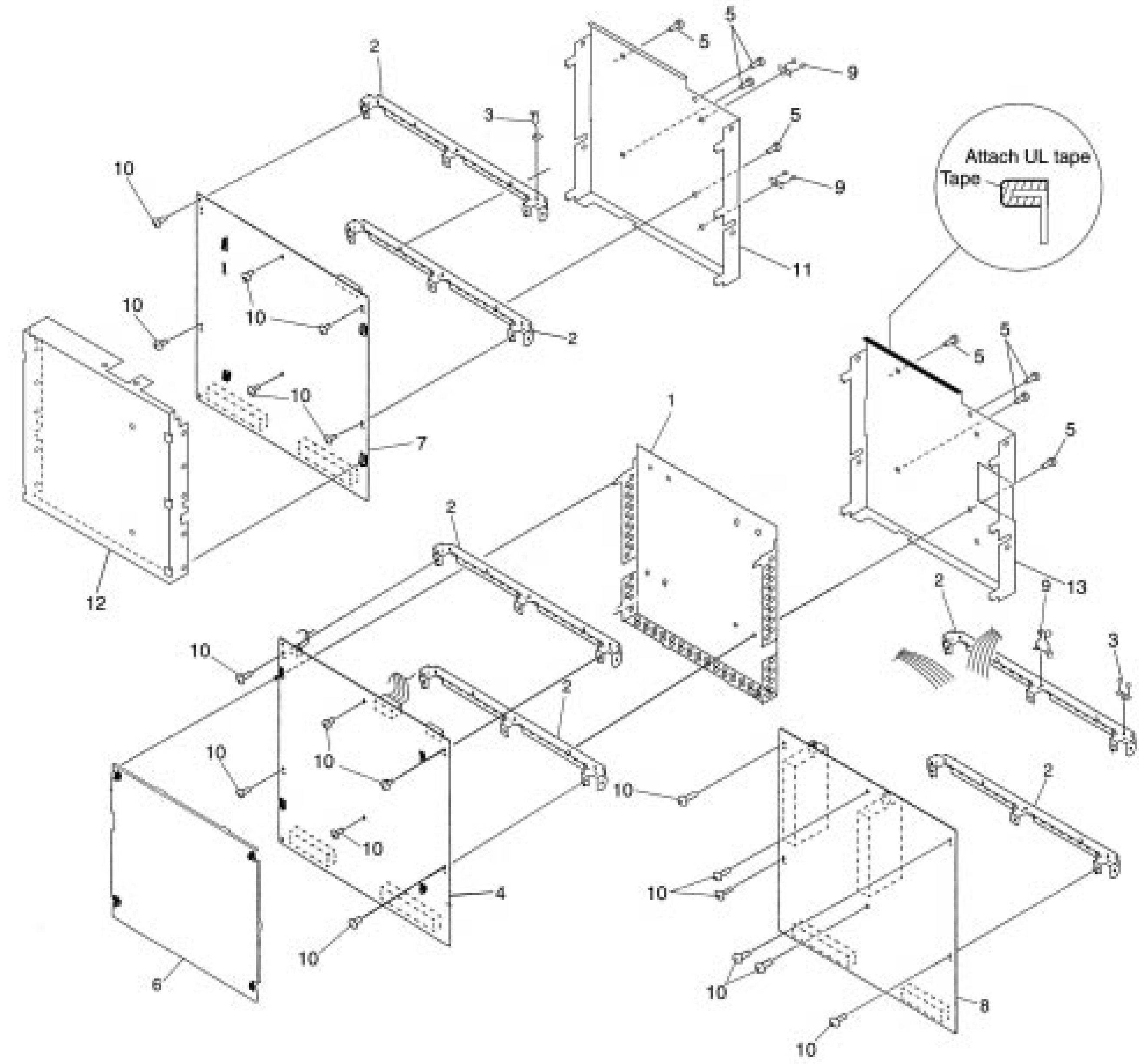
SIGNAL ASS'Y BLOCK PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJANK1562	M	Shield Cover	AN
NSP	2	9GJANG2304	–	PWB Sub Frame	—
NSP	3	9GJAEC1611	–	Lead Clamper M	—
	4	9GJAWV1726	–	Sub Video Ass'y	—
	5	9GJBBZ30P080FC	M	Screw	AA
NSP	6	9GJANK1537	–	Analog Shield B	—
	7	9GJAWV1725	–	Signal Ass'y	—
	8	9GJAWV1723	–	Tuner µ-Com Ass'y	—
NSP	9	9GJAEC1783	–	Cable Clip D3M	—
	10	9GJABZ30P080FC	M	Screw	AC
	11	9GJANK1592	M	Shield Front Cover B	AR
	12	9GJANK1596	M	Shield Rear Cover B	AR
	13	9GJANK1591	M	Shield Front Cover A	AR

SIGNAL ASS'Y BLOCK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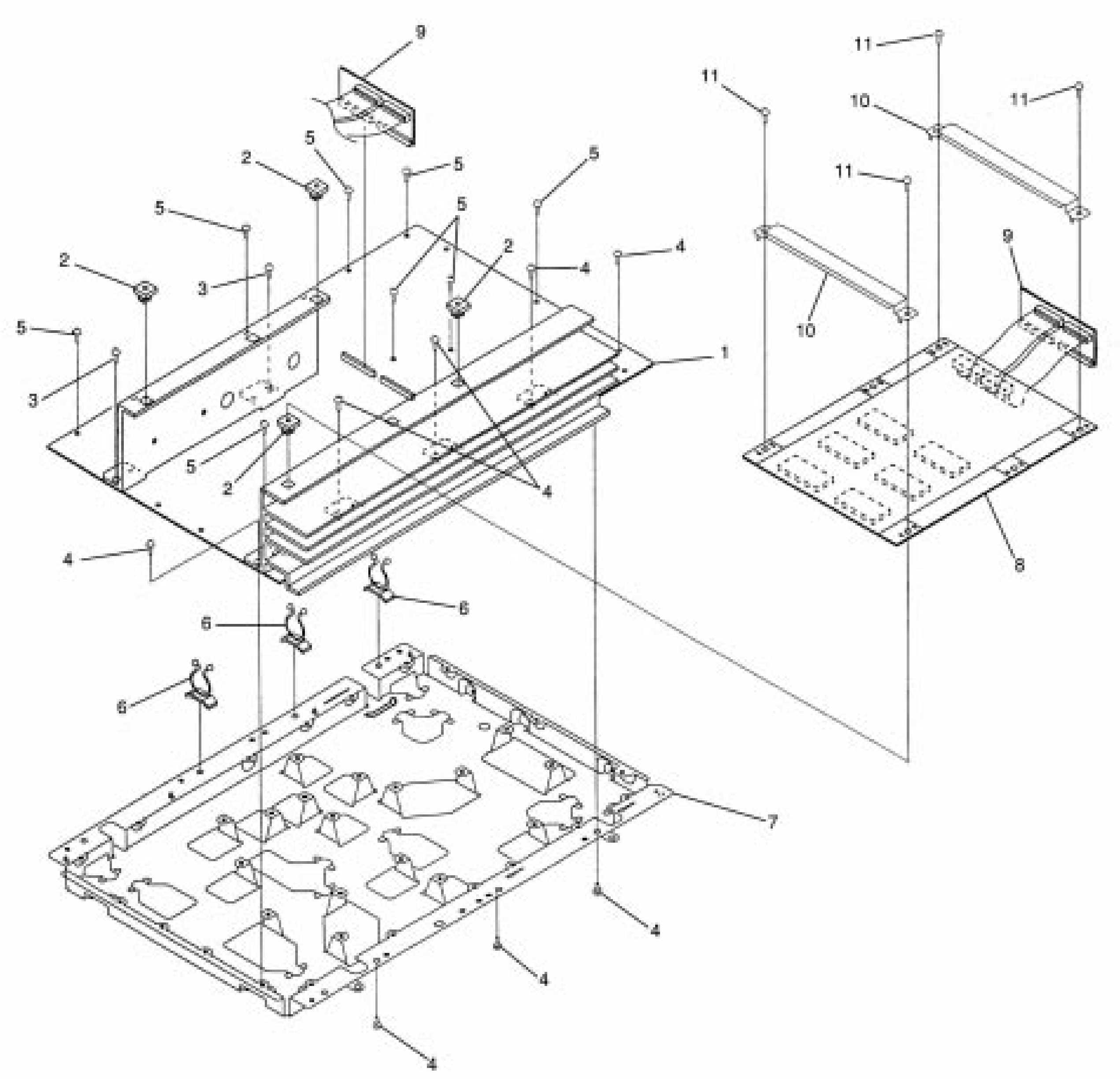
AMP BLOCK PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJAWV1712	–	AMP Ass'y	—
	2	9GJAEC1418	M	Grommet	AC
	3	9GJABA1099	M	Screw	AC
	4	9GJABZ30P100FZ	M	Screw	AB
	5	9GJBBZ30P080FZ	M	Screw	AB
NSP	6	9GJAEC1783	–	Cable Clip D3M	—
NSP	7	9GJANA1585	–	AMP Chassis	—
	8	9GJAWZ6333	–	Conver. DAC Ass'y	—
	9	9GJAWZ6335	–	Connector Ass'y	—
NSP	10	9GJANG2306	–	Heat Sink Holder	—
	11	9GJVPZ40P120FZ	M	Screw	AB

AMP BLOCK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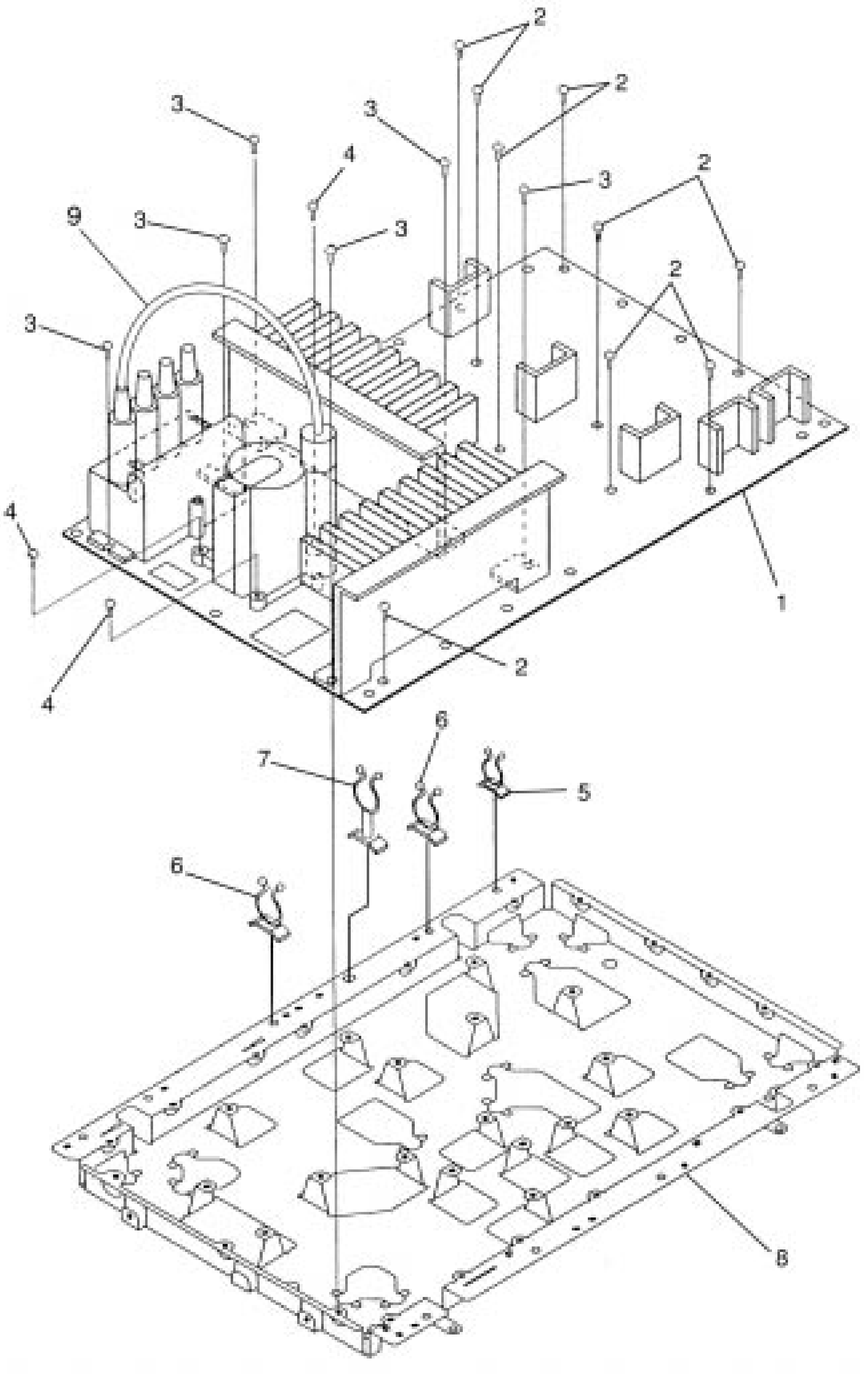
DEFLECTION BLOCK PARTS LIST

Mark	Ref. No.	Part No.	★	Description	Code
☆	1	9GJAWV1731	–	Def. Service Ass'y	—
	2	9GJBBZ30P080FZ	M	Screw	AB
	3	9GJABZ30P100FZ	M	Screw	AB
	4	9GJVBZ30P200FM	M	Screw	AB
NSP	5	9GJAEC1782	–	Cable Clip D3S	—
NSP	6	9GJAEC1783	–	Cable Clip D3M	—
NSP	7	9GJAEC1325	–	Purse Lock	—
NSP	8	9GJANA1583	–	Deflection Chassis	—
	9	9GJADY1043	M	H.V Cable	AR

DEFLECTION BLOCK

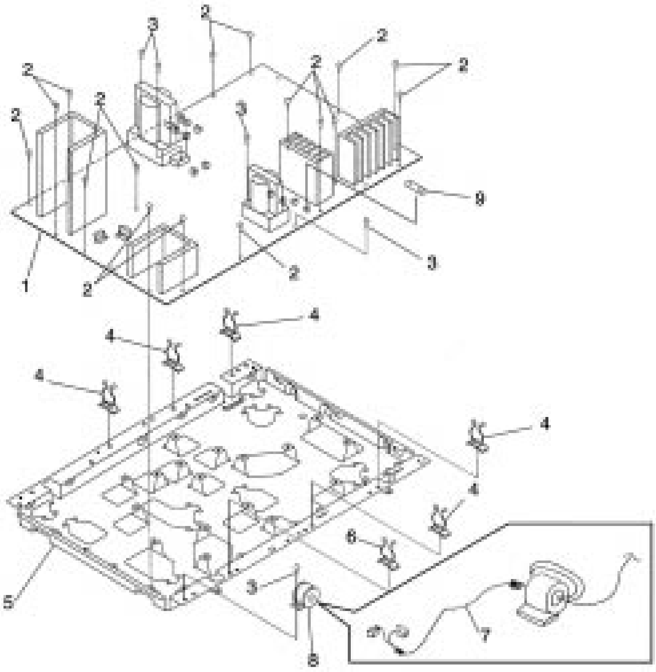


POWER SUPPLY/AC IN BLOCK PARTS LIST

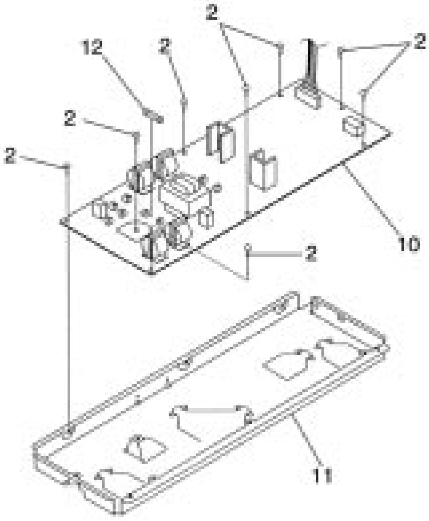
Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJAWV1710	–	Power Supply Ass'y	—
	2	9GJBBZ30P080FZ	M	Screw	AB
	3	9GJABZ30P100FZ	M	Screw	AB
NSP	4	9GJAEC1782	–	Cable Clip D3S	—
NSP	5	9GJANA1582	–	Power Supply Chassis	—
NSP	6	9GJAEC1783	–	Cable Clip D3M	—
	7	9GJADX2489	M	Wire Harness D (J15)	AS
	8	9GJATX1033	M	Ferrite Core	AY
⚠	9	9GJREK1085	M	Fuse (6.3A/125V)	AE
	10	9GJAWZ6354	–	AC IN Ass'y	—
NSP	11	9GJANA1586	–	L.F. Chassis	—
⚠	12	9GJAEK1010	M	Fuse (500mA/125V)	AG

POWER SUPPLY/AC IN BLOCK

Power Supply Block



AC IN Block

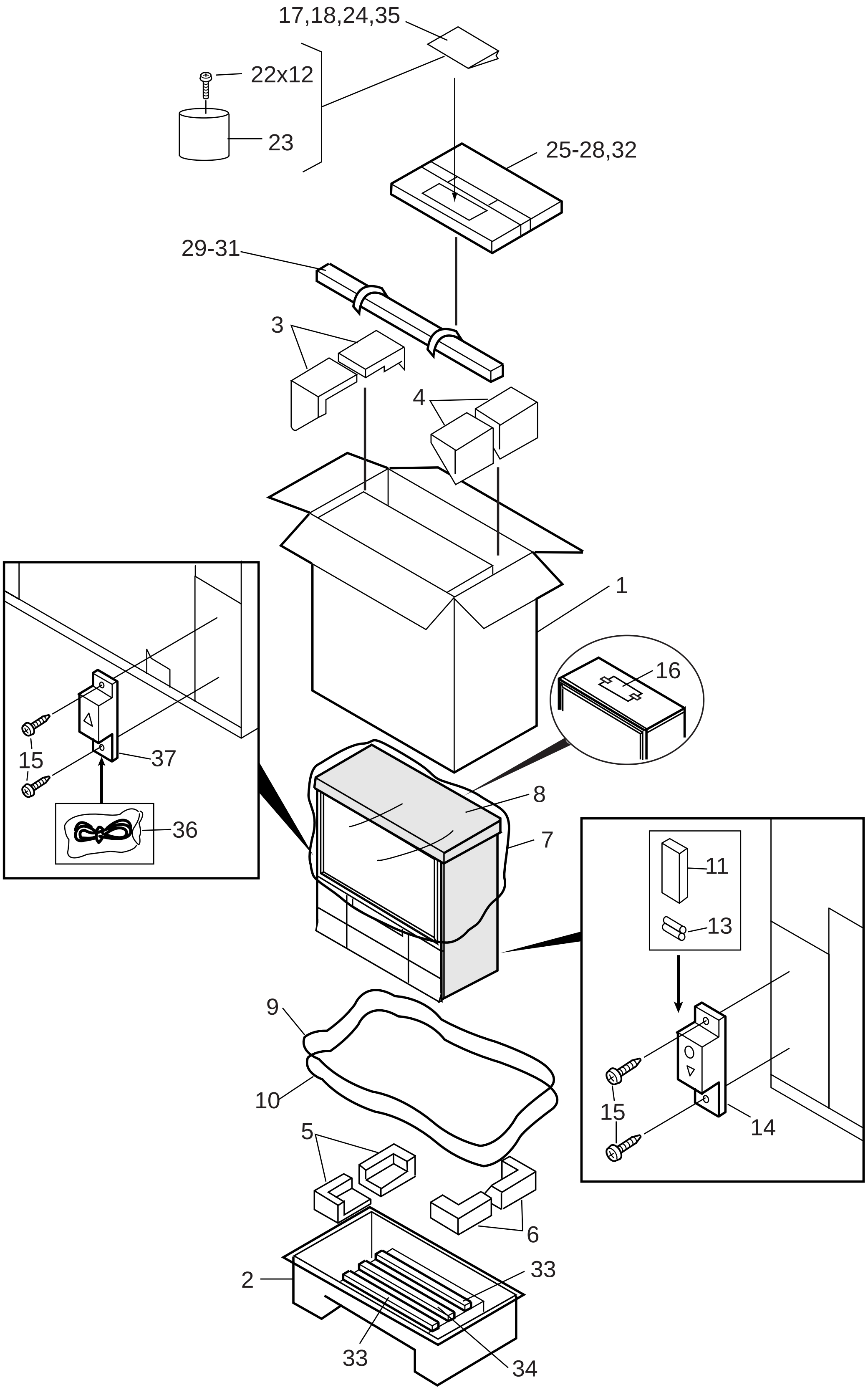


PACKING PARTS LIST

***NOTE :** As for accessory parts of part No.22, 27 and 29 to 32, refer to page 303.*

Mark	Ref. No.	Part No.	★	Description	Code
	1	9GJAHD2996	M	Upper Carton (64WS)	BS
	2	9GJAHD2995	M	Under Carton (64W)	BD
	3	9GJAHA2222	M	Upper Pad L	AS
	4	9GJAHA2223	M	Upper Pad R	AS
	5	9GJAHA2224	M	Under Pad L	AV
	6	9GJAHA2225	M	Under Pad R	AV
NSP	7	9GJAHG1288	–	Vinyl Sheet 64W Upper	—
NSP	8	9GJAHG1230	–	Packing Sheet (60)	—
NSP	9	9GJAHG1290	–	Packing Sheet 64W Under	—
	10	9GJAHG1289	M	Vinyl Sheet 64W Under	AS
NSP	11	RRMCG1486CESA	–	Remote Control Unit	—
NSP	13	–	–	Alkaline Dry Battery (LR6,AA)	—
	14	9GJAHC1032	M	CU Packing Case	AN
	15	9GJABA1239	M	Special Screw	AB
	16	9GJARM1153	M	Conv. Attention Card	AD
	17	9GJARB1518	M	Operation Manual (EN)	BG
NSP	18	9GJARM1057	–	Caution Card	—
	22	9GJABA1226	M	Screw (Panel Frame Attaching Screw)	AC
NSP	23	9GJAHG1076	–	Wrapper Bag	—
NSP	24	9GJAHG1222	–	Literature Bag	—
	25	9GJAHB1202	M	Panel Case (64W)	BF
NSP	26	9GJAHG1286	–	Packing Sheet (64W) (for Panel)	—
	27	9GJAAK2729	M	Contrast Screen 64W	CL
	28	9GJARH1161	M	Acrylic Caution Card (S)	AD
	29	9GJAAP1599	M	Frame Cover H (64WS)	AS
NSP	30	9GJAAP1600	–	Frame Cover V (64WS)	—
	31	9GJAND1163	M	Panel Frame H (64W)	BE
	32	9GJAND1164	M	Panel Frame V (64W)	BD
NSP	33	9GJAHA2228	–	Under Cusion A	—
NSP	34	9GJAHA2229	–	Under Cusion B	—
NSP	35	TGAN-1029MEZZ	–	Registration Card	—
NSP	36	RRMCK0023CEZZ	–	IR Mouse	—
	37	9GJAHC1024	M	Packing Case A	AM

PACKING OF THE SET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